AMERICAN RAILROAD JOURNAL,

AND GENERAL ADVERTISER

AND MINES.

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THE AMERICAN RAILROAD JOURNAL is the only periodical having a general circulation throughout the Union, in which all matters connected with public works can be brought to the notice of all persons in any way interested in these undertakings. Hence it offers peculiar advantages for advertising times of departure, rates of fare and freight, improve
The Troy Iron and Nail Factory keeps constantly for sale a very extensive assortment of wrought to the notice of all manufactured by the subscriber's Patent Machinery, which after five years' successful operation, and now almost universal use in the United States (as well times of departure, rates of fare and freight, improve
The Subscribers offer the following articles for sale:

Railway Iron, flat bars, with countersunk holes and mitred joints.

Railway Iron, flat bars, with countersunk holes and mitred joints.

So tons 2 by 15 feet in length weighing almost universal use in the United States (as well as England, where the subscriber obtained a patent) as England, where the subscriber obtained a patent of the periodical having a general circulation of the only periodical having a general circulat times of departure, rates of fare and freight, improvements in machinery, materials, as iron, timber, stone, cement, etc. It is also the best medium for advertising contracts, and placing the merits of new undertakings fairly before the public.

RATES OF ADVERTISING.

One page per an	num									٠	0	\$125	00
One column "												50	00
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One square "												1	00
Professional notic	es per	aı	an	u	m							5	00

ENGINEERS and MACHINISTS.

STILLMAN, ALLEN & Co. N. Y. JAS. P. ALLAIRE, N. Y. H. R. DUNHAM & Co. N. Y. WEST POINT FOUNDRY, N. Y. PHŒNIX FOUNDRY, N. Y. PHŒNIX FOUNDRY, N. Y.

Company.

SETH ADAMS, Engineer, South Boston, Mass.
HINCKLEY & DRURY, Boston.
C. C. ALGER, [Stockbridge Iron Works,] Stock-

bridge, Mass.

IRON MERCHANTS and IMPORTERS.

DAVIS, BROOKS, & Co. N. Y. [See Adv.] A. & G. RALSTON & Co. Philad. Pa. [See Adv.] A. & G. RALSTON & Co. Philad. Fa. THOMAS & EDMUND GEORGE, Philadelphia.

are found superior to any ever offered in market.

Railroad companies may be supplied with Spikes having countersink heads suitable to holes in iron rails, to any amount and on short notice. Almost all the railroads now in progress in the United States are fastened with Spikes made at the above named factory—for which purpose they are found invalua-ble, as their adhesion is more than double any com-mon spikes made by the hammer.

Spikes are kept for sale, at Factory Prices, by I. Spikes are kept for sale, at Factory Prices, by I. Townsend, Albany, and the principal Iron merchants in Albany and Troy; J. I. Brower, 222 Water St., New York; A. M. Jones, Philadelphia; T. Janviers, Baltimore; Degrand & Smith, Boston.

*** Railroad Companies would do well to forward their orders as early as practicable, as the subscriber is desirous of extending the manufacturing so as to keep pace with the daily increasing demand.

*** PATENT HAMMERED Townsend, N. York, Ches diameter.

E. V. Patent chain cable bolts for railway car axles, in lengths of 12 feet 6 inches, to 13 feet 2½, 22-3, 3, ½, 3½, and 3½ inches diameter.

Chains for inclined planes, short and stay links, manufactured from the E. V. cable bolts, and proved at the greatest strain.

India rubber rope for Inclined planes, made from New Zealand wax.

Also, Patent hemp cordage for inclined planes and canal towing lines.

Patent fall for the diameter.

E. V. Patent chain cable bolts for railway car axles, in lengths of 12 feet 6 inches, to 13 feet 2½, 22-3, 3, ½, 3½, and 3½ inches diameter.

Chains for inclined planes, short and stay links, manufactured from the E. V. cable bolts, and proved at the greatest strain.

New Zealand wax.

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Chains for inclined planes, short and stay links, manufactured from the E. V. cable bolts, and proved at the greatest strain.

Patent supplies the diameter.

E. V. Patent cha

DATENT HAMMERED RAILROAD, SHIP and Boat Spikes. The Albany Iron and Nail WEST POINT FOUNDRY, N. Y.
R. HOE & Co. N. Y.
J. F. WINSLOW, Albany Iron and Nail Works,
Troy, N. Y. (See Adv.)
TROY IRON AND NAIL FACTORY, H. Burden Agent. (See Adv.)
ANDREW MENEELY, West Troy. (See Adv.)
ROGERS, KETCHUM & GROSVENOR, Paterson, N. J. (See Adv.)
S. VAIL, Speedwell Iron Works, near Morristown,
N. J. (See Adv.)
NORRIS, BROTHERS, Philadelphia, Pa.
KITE'S Patent Safety Beam. (See Adv.)
FRENCH & BAIRD, Philadelphia, Pa.
JOHN F. STARR, Philadelphia, Pa.
JOHN F. STARR, Philadelphia, Pa.
MERRICK & TOWNE,
Merrick & TOWNE,
Morks have always on hand, of their own manufacture, a large assortment of Railroad, Ship and Boat Spikes, from 2 to 12 inches in length, and of any form of head. From the excellence of the material always used in their manufacture, and their very general use for railroads and other purposes in this country, the manufacturers have no hesitation in warranting them fully equal to the best spikes in market, both as to quality and appearance. All orders addressed to the subscriber at the works, will be promptly executed.
JOHN F. WINSLOW, Agent.
Albany Iron and Nail Works, Troy, N. Y.
The above spikes may be had at factory prices, of Erastus Corning & Co., Albany; Hart & Merritt, New York; J. H. Whitney, do.; E. J. Etting, Philadelphia; Wm. E. Coffin & Co., Boston.

TO RAILROAD COMPANIES AND MANufacturers of railroad Machinery. The subscribers have for sale Am. and English bar iron, of all sizes; English blister, cast, shear and spring steel; Juniata rods; car axles, made of double refined iron; sheet and boiler iron, cut to pattern; tiers for locomotive engines, and other railroad carriage wheels. Works have always on hand, of their own manufac-

sheet and boiler iron, cut to pattern; tiers for loco-motive engines, and other railroad carriage wheels monve engines, and other ratiroad carriage wheels, made from common and double refined B. O. iron; the latter a very superior article. The tires are made by Messrs. Baldwin & Whitney, locomotive engine manufacturers of this city. Orders addressed to them, or to us, will be promptly executed.

When the exact diameter of the wheel is stated in the order a fit to those wheels is guaranteed saving.

he order, a fit to those wheels is guaranteed, saving o the purchaser the expense of turning them out inside.

THOMAS & EDMUND GEORGE, N. E. cor. 12th and Market sts., Philad., Pa.

3.50 2½ 1.26

with spikes and splicing plates adapted thereto. To be sold free of duty to State governments, or incorporated companies.

Orders for Pennsylvania Boiler Iron executed. Railroad Car and Locomotive Engine tires, wrought and turned or unturned, ready to be fitted on the wheels, viz: 30, 33, 36, 42, 44, 54 and 60 inches diameter.

Patent felt for placing between the iron chair and stone block of edge railways.

Every description of railway iron, as well as locomotive engines, imported at the shortest notice, by

the agency of one of our partners, who resides in England for this purpose.

A highly respectable American Engineer resides in England for the purpose of inspecting all Locomotives, Machinery, Railway Iron, etc., ordered through us.

A. & G. RALSTON & CO. No. 4 South Front st., Philad., Pa.

MACHINE WORKS OF ROGERS, KETCH-um & Grosvenor, Patterson, N. J. The un-dersigned receive orders for the following articles, manufactured by them of the most superior descrip-tion in every particular. Their works being exten-sive and the number of hands employed being large, they are enabled to execute both large and small orders with promptness and despatch.

Railroad Work.

Locomotive steam engines and tenders; Driving and other locomotive wheels, axles, springs & flange tires; car wheels of cast iron, from a variety of pat-terns, and chills; car wheels of cast iron with wrought tires; axles of best American refined iron; springs; boxes and bolts for cars.

Cotton, Wool and Flax Machinery

of all descriptions and of the most improved patterns, style and workmanship.

Mill gearing and Millwright work generally; hydraulic and other presses; press screws; callenders; lathes and tools of all kinds; iron and brass castings of all descriptions.

ROGERS, KETCHUM & GROSVENOR, Paterson, N. J., or 60 Wall street, N. York.

TO IRON MANUFACTURERS. THE SUB-To RON MANUFACTURERS. THE SUBscribers, as Agents of Mr. George Crane, of
Wales, having obtained a patent in the United
States for his process of smelting Iron Ore with Anthracite coal, and holding an assignment of the patent obtained by the late Rev. F. W. Geissenhainer,
are prepared to grant licenses for the manufacture
of Iron according to Mr. Crane's principle.

A. & G. RALSTON & CO.,
ja45 No. 4 Sout Fronth st., Philadelphia, Pa.

TO RAILROAD COMPANIES AND BUILD ERS OF MARINE AND LOCOMOTIVE ENGINES AND BOILERS.

PASCAL IRON WORKS,

WELDED WROUGHT IRON TUBES

WEUDEN RECORD TROUBLE TO THE DESCRIPTION OF THE STATE OF



Manufactured and for sale MORRIS, TASKER & MORRIS. PHILADELPHIA.

TO IRON MASTERS.—FOR SALE.—MILL SITES in the immediate SITES in the immediate neighborhood of Bi-L SITES in the immediate neighborhood of Bi-theminous Coal and Iron Ore, of the first quality, at Ralston, Lyoming Co., Pa. This is the nearest point to tide water where such coal and ore are found together, and the communication is complete with Philadelphia and Baltimore by canals and railways. The interest on the cost of water power and lot is all that will be required for many years; the coal will not cost more than \$1 to \$1.25 at the will sites without any trouble on the part of the the coal will not cost more than \$1 to \$1 25 at the mill sites, without any trouble on the part of the manufacturer; rich iron ore may be laid down still more cheaply at the works; and, taken together, these sites offer remarkable advantages to practical manufacturers with small capital. For pamphlets, descriptive of the property, and further information, apply to Archibald McIntyre, Albany, to Archibald Robertson, Philadelphia, or to the undersigned, at No. 23 Chambers street, New York, where may be seen specimens of the coal and ore.

W. R. CASEY, Civil Engineer,

VALUABLE PROPERTY ON THE MILL V Dam For Sale. A lot of land on Gravelly Point, so called, on the Mill Dam, in Roxbury, fronting on and east of Parker street, containing 68,497 square feet, with the following buildings thereon standing.

Main brick building, 120 feet long, by 46 ft wide, two stories high. A machine shop, 47x43 feet, with large engine, face, screw, and other lathes, suitable to do any kind of work.

Pattern shop, 35x32 feet, with lathes, work bench-

es, &c.
Work shop, 86x35 feet, on the same floor with the

pattern shop Forge shop, 118 feet long by 44 feet wide on the ground floor, with two large water wheels, each 16 feet long, 9 ft diameter, with all the gearing, shafts, drums, pulleys, &c., large and small trip hammers, furnaces, forges, rolling mill, with large balance wheel and a large blowing apparatus for the foundry.

Foundry, at end of main brick building, 60x454

feet, two stories high, with a shed part 454x20 feet, containing a large air furnace, cupola, crane and

Store house—a range of buildings for storage, etc.,

FRENCH AND BAIRDS PATENT SPARK ARRESTER.

TO THOSE INTERESTED IN Railroads, Railroad Director and Managers are respectfully invited to examine an improved SPARI ARRESTER, recently patented by the undersigned.

Our improved Spark Arrester have been extensively used during the last year on both passenger and freigh engines, and have been brought to such a state of perfection that no an-noyance from sparks or dust from the chimney of engines on which they are used is experienced.

These Arresters are constructed on an entirely different principle from any nerecorde onered to the public The form is such that a rotary motion is imparted to the heated air smoke and sparks passing through the chimney, and by the centrift-gal force thus acquired by the sparks and dust they are separated from the smoke and steam, and thrown into an outer chamber of the chimne gravity to the bottom of this chamber; the smoke and steam passing off at the top of the chimney, through a capacious and unobstructe passage, thus arresting the sparks without impairing the power of the engine by diminishing the draught or activity of the fire in the furnace.

These chimneys and arresters are simple, durable and neat in appearance. They are now in use on the following roads, to the managers and other officers of which we are at liberty to refer those who may desire to purchase or obtain further information in regard to their merits:

may desire to purchase or obtain further information in regard to their merits:

E. A. Stevens, President Camden and Amboy Railroad Company; Richard Peters, Superintendant Georgia Railroad, Augusta, Ga.; G. A. Nicolls, Superintendant Philadelphia, Reading and Pottsville Railroad, Reading, Pa.; W. E. Morris, President Philadelphia, Germantown and Norristown Railroad Company, Philadelphia; E. B. Dudley, President W. and R. Railroad Company, Wilmington, N. C.; Col. James Gadsden, President S. C. and C. Railroad Company, Charleston, S. C.; W. C. Walker, Agent Vicksburgh and Jackson Railroad, Vicksburgh, Miss.; R. S. Van Rensselaer, Engineer and Sup't Hartford and New Haven Railroad; W. R. M'Kee, Sup't Lexington and Ohio Railroad, Lexington, Ky.; T. L. Smith, Sup't New Jersey Railroad Trans. Co.; J. Elliott, Sup't Motive Power Philadelphia and Wilmington Railroad, Wilmington, Del.; J. O. Sterns, Sup't Elizabethtown and Somerville Railroad; R. R. Cuyler, President Central Railroad Company, Savannah, Ga.; J. D. Gray, Sup't Macon Railroad, Macon, Ga.; J. H. Cleveland, Sup't Southern Railroad, Monroe, Mich.; M. F. Chittenden, Sup't M. P. Central Railroad, Detroit, Mich.; G. B. Fisk, Presistent Long Island Railroad, Brooklyn.

Orders for these Chimneys and Arresters, addressed to the subscribers, or to Messrs. Baldwin & Whit-

Orders for these Chimneys and Arresters, addressed to the subscribers, or to Messrs. Baldwin & Whitey, of this city, will be promptly executed. FRENCH & BAIRD. ney, of this city, will be promptly executed.

FRENCH & BAIRD.

N. B.—The subscribers will dispose of single rights, or rights for one or more States, on reasona-

e terms.

** The letters in the figures refer to the article given in the Journal of June, 1844.

** The letters in the figures refer to the article given in the Journal of June, 1844. ble terms.

S. WAIL, PROPRIETOR OF THE STANDARD S. well Iron Works, near Morristown, N. J., can supply at short notice railroad companies and others

with the following:

Wrought Iron Tyres made from the best iron and of any given diameter, and warranted to be sound in the welding. Railroad companies wishing to order, will be pleased to give the exact inside diameter or circumference to which they wish the tyres made, and they may rely upon being served according to order, and also punctually, a large quantity vantageous to the varied interests connected with in the straight bar is kept constantly on hand. Crank their construction and operation; roads having in axels for locomotive engines, made from the best Pennsylvania iron. Straight axles for locomotives are permanently available by the plan. Pennsylvania iron. Surgin and some for engines, frames for engines. Wrought iron work for steamboats, and shafting of any size. Cotton Screws of any length or size. Railroad Jack screws, a late invention, and highly approved. Self-acting pumping apparatus for railroad water stations. He refers to the following gen-

Baldwin, Vail & Hufty, Philadelphia; Wm. Norris, Philadelphia; N. Campfield, Savannah, Ga.; J. & S. Bones, Augusta, Ga.; D. F. Guez, N. Orleans, La.; Adam Hall, N. York; J. P. Allaire, N. York; William Parker, Boston, Mass.; George W. Schuyler, N. York. ja4c

THE NEWCASTLE MANUFACTURING 1 Company continue to furnish at the Works, situated in the town of Newcastle, Del., Locomotive 200 feet long by 20 wide.

Locomotive shop, adjoining main building, fronting on Parker street, 54x25 feet.

Also—A lot of land on the canal, west side of Parker st., containing 6000 feet, with the following buildings thereon standing:

Boiler house 50 feet long by 30 feet wide, two stories.

Strings in the town of Newcastle, Del., Locomotive and other steam engines, Jack screws, Wrought iron work and Brass and Iron castings, of all kinds connected with Steamboats, Railroads, etc.; Mill Gearing of every description; Cast wheels (chilled) of any pattern and size, with Axles fitted, also with wrought tires, Springs, Boxes and bolts for Cars. Driving and other wheels for Locomotives.

The works being on an extensive scale all orders.

ries.

Blacksmith shop, 49 feet long by 20 feet wide.

For terms, apply to HENRY ANDREWS, 48
St ute st., or to CURTIS, LEAVENS & CO., 106
State st., Boston, or to A. & G. RALSTON & Co.,
Philadelphya.

Blacksmith shop, 49 feet long by 20 feet wide.

The works being on an extensive scale, all orders will be executed with promptness and despatch.

Communications addressed to Mr. William H.

Dobbs, Superintendent, will meet with immediate attention.

ANDREW C. GRAY, pa45

President of the Newcastle Manuf. Co.

VAIL, PROPRIETOR OF THE SPEED-well Iron Works, near Morristown, N. J., can yat short notice railroad companies and others the following:

CUSHMAN'S COMPOUND IRON RAILS, well Iron Works, near Morristown, N. J., can improvements in the construction of rails, mode of guarding against accidents from insecure joints, etc. —respectfully offers to dispose of Company, State Rights, etc., under the privileges of letters patent to Railroad Componies, Iron Founders, and others interested in the works to which the same relate. Com-panies reconstructing their tracks now have an opportunity of improving their roads on terms very ad-

> W. Mc. C. CUSHMAN, Civil Engineer Albany, N. Y.

Mr. C. also announces that Railroads, and other works pertaining to the profession, may be constructed under his advice or personal supervision. Applicaitons must be post paid.

NICOLL'S PATENT SAFETY SWITCH for Railroad Turnouts. This invention, for some time in successful operation on one of the principal railroads in the country, effectually prevents engines and their trains from running off the track at a switch, left wrong by accident or design.

It acts independently of the main track rails, being laid down or removed without outling or displaying

laid down, or removed, without cutting or displacing them.

It is never touched by passing trains, except when in use, preventing their running off the track. It is simple in its construction and operation, requiring only two Castings and two Rails; the latter, even if much worn or used, not objectionable.

Working Models of the Safety Switch may be seen at Messrs. Davenport and Bridges, Cambridgeport, Mass., and at the office of the Railroad Journal, New York.

Plans, Specifications, and all information obtained on application to the Subscriber, Inventor, and Patentee. G. A. NICOLLS, Rading, Pa

ATLANTIC AND PACIFIC RAILROAD.

We meet with this "magnificent project" our own selves, instead of being an isolated in almost all our exchange papers, and now we find the subject brought before a we find the subject brought before a Wm. Sturgis' truly talented lecture, on this feet) above the level of the Pacific, and 160 meeting of the stockholders of the Western important subject. railroad, on the 12th inst., by P. P. F. Degrand, Esq. We are so much accustomed to execute the mouth of the Malatengo.

"In view then of all these advantages, let There is an abundance of water, which may be us now resolve that this great work shall be applied with great facility to the service of the accomplished in a brief space of time, and canal, being derived from the Chicapa or Chimto examine projects in a somewhat close, or, as the mathematicians say, rigorous manner, to our road a branch somewhat longer than more considerable river, the Ostuta, which, like that we are in a great measure incapable of Worcester long wharf. appreciating the magnificence or the utility of a railroad hence to the Pacific. When we see this great city shut out during five with the rich river counties and the cities from we need never despair in a good cause." Albany and Troy to Buffalo, and the vallies of the Mohawk and the Genesee, and the equally fine country around the Seneca and Cayuga lakes, we feel little inclination to undertake a work fifty times more difficult, but with means and results by no means in proportion. But the transcendental is more highly esteemed in the meridian of Boston than here, and we frankly admit that it never was our "forte." We give a few of Mr. Degrand's remarks.

our Charlestown navy yard, in thirty days, all the parts, numbered and fitted, to build in three weeks, a fleet of war steamers, on the armed ships.

will, by the existence of this road, be brought plated. nearer to Washington city, than Charleston, S. C., was during the revolutionary war. It will be reached with less inconvenience and personal discomfort, then Philadelphia and above-mentioned instances that the practicability of As to the probable cost of the medium and above mentioned instances that the practicability of As to the probable cost of the medium. personal discomfort, than Philadelphia was, the work is in an inverse ratio to the shortness of the from Quincy, in 1776. This facility of rail-

our vast empire.

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nal,

"The line of railroads from Boston to the mouth of the Columbia river, will be the from the mouth of the Coatzacoalcos is 220 kil- the cost of an analogous work, the Caledonian highway of nations, between Europe and omètres (130 miles,) but the greater part of this Canal, generally admitted to have been exceedhighway of nations, between Europe and China. A communication sent from England, by the Cunard line, reaching Boston in 12 days, will, by Morse's telegraph, instantly reach the mouth of Columbia river, whence a swift steamer will carry it to China, in 12 days more!

Canal, generally admitted to have been exceed-ingly expensive, from a combination of adverse by the course of the Coatzacoalcos, which can easily be rendered navigable up to its confluence with the Malatengo. The principal works, therefore, to be executed would be comprised between latitude 16° 36′ and 17° 3′ N., including a space would probably not exceed 85,000,000 france

"By means of this railroad, the Oregon less than thirty-one miles in extent, wherein no We meet with this "magnificent project" territory will become a part and parcel of excavation whatever exceeding the usual limits

thus add to our national renown, and add also alapa and its confluent the Monetza, and from a

opinion to this great national purpose. Inmonths of the year, from all communication deed, after what we have already accomplished one feet of water on its bar, quite enough to float

SHIP CANAL ACROSS THE AMERICAN ISTHMUS.

road communication is indeed the truly scientific way of securing the bonds of union for
we find it practicable and easy at Tehuantepee."

knowledge, it is apparently impossible at Panama, and attended with immense difficulties at Nicaragua, we find it practicable and easy at Tehuantepee."

stances he thinks would combine to reduce the Moro.

mètres above the mouth of the Malatengo. the former, flows into the lagoons not far from the town of Tehuantepec. The grand condition of a good harbour at either extremity of the line "If we but resolve to have this done, depend upon it, Mr. President, it will be done; for I see men about me able to mould public case. The mouth of the Coatzacoalcos, 700 mètres wide, and with never less than twentya frigate, is, according to Balbi, 'the finest port formed by any one of the rivers that discharge themselves into the Gulf of Mexico, not even excepting the Mississippi.' Hitherto it had Hitherto it had AMERICAN ISTHMUS.

Survey of the Isthmus of Tehuantepec, executed in the Years 1842 and 1843, with the intent of Signor Moro has cleared up this difficulty. The Establishing a Communication between the lagoons near Tehuantepec have a depth seldom Atlantic and Pacific Oceans, and under the less than five or six metres, and this could easily Superintendence of a Scientific Commission appointed by the Projector, Don Jose DE CARAY. London: Ackermann and Co. 1844.

The American isthmus reaches from Teis not obstructed by a true bar, but a little way huantenec and the Coatzacoalcos on the north, within in there is an accumulation of sand which to Darien on the south, a length of five hundred might be destroyed with extreme facility, whilst marks.

and seventy-five leagues, and its traversed the cause of its deposit might be effectually rethrough its whole extent by a range of mounmoved. The isthmus is but scantily peopled, the mouth of Columbia river, is imperatively great chains that form the extremity with the but it was once possessed by a dense and thrivthe mouth of Columbia river, is imperatively great chains that form the spines of both conticalled for by national considerations, which nents. Nine different parts of this isthumus caneers converted it into a wilderness. There can neither be overlooked or neglected with have been proposed, at various times, as offering is no reason why it might not again become as impunity.

It possesses a fine climate, "This railroad is the only scientific way of munication; but it was at length ascertained and in many places a most fruitful soil. Timdefending the Oregon territory. By means that only three of these localities were worthy of bers for ship-building, dyewoods, superb maof it, you can, in case of war, transport from consideration; those, namely, which, from hogany, and other close-grained trees, are to be Isthmus of Panama (properly so called), of Ni-caragua, and of Tehuantepec. and of Tehuantepec. three weeks, a fleet of war steamers, on the Pacific; and you can also transport the car- Isthmus of Panama, is only forty miles. Were easy prices, in the isthmus, so that they might penters, riggers, caulkers, blacksmiths and sail our judgment, therefore, to be formed from a devote a greater portion of their holds to the makers, as well as the sailors, marines and mere inspection of the map, an inclination to stowage of merchandise. Lastly, among the makers, as well as the sailors, marines and officers, to man the fleet. You can transport the cables, anchors, sails, rigging, guns, musters gunpowder, balls, all the other materials and munitions of war. You can thus take at once, as if by enchantment, the command of the Pacific, and of the China, Japan and India sees, both with your private and public line is the process of the map, an inclination to stowage of merchandise. Lastly, among the consider this point the map, an inclination to stowage of merchandise. Lastly, among the consider this point the map, an inclination to stowage of merchandise. Lastly, among the consider this point the map, an inclination to stowage of merchandise. Lastly, among the consider this point the most eligible would be individuals and avantages offered by the Isthmus of Tehuantegec, not the least considerable is the middless and salubrity of its climate, precisely in those localities where the assistance of European workmen would be required. This matter was sufficiently tested in 1830, when an abortive attempt was made to found a French colony in the territory of Tehuantegec, forming a continued the two seas is greater at Nicaragua, namely, ninety-five and salubrity of its climate, precisely in those localities where the assistance of European workmen would be required. This matter was sufficiently tested in 1830, when an abortive attempt was made to found a French colony in the territory of Tehuantegec, forming a continued the precisely in those and salubrity of its climate, precisely in those workmen would be required. dia seas, both with your private and public line of 130 miles, is that which, upon a superfi- the isthmus. The unfortunate settlers, shamecial examination, appears to be the least suited fully deluded by the projectors of the colony, "The Oregon territory, now a distant land, for the accomplishment of the object contem- found themselves from the moment of their arrival destitute of all resources, having neither food " However, not withstanding these appearances, as nor shelter provided for them; yet there occurred

> As to the probable cost of the undertaking, M. Moro speaks with becoming diffidence, not being in possession of all the data requisite to enable rate of cost below the European average; never-The breadth of the isthmus in a straight line theless, he takes for his standard of comparison

turn might be realized by a moderate toll, even should we found our calculations on the existing state of commerce and navigation, and leave wholly out of consideration the vast increase wholly out of consideration the vast increase the foundation of the summit, is 25 miles; the distance routes may then be set down at \$9 per ton. The onference in cost between the two mines above deadvine, to the junction is 90 miles; from Erie to Meadville 113½ miles; from Erie to Meadville Should the Ohio Canal Commissioners reduce they would infallibly receive so soon as the barfier of the isthmus was broken down. The new Erie to Clarksville, 79½ miles; from Erie to tolls, there would still be a difference in favor of route would then be taken by all vessels from Greenville 631 miles; from Erie to Hartstown the Erie route of \$5,46 per ton. Business men Europe destined for those points which are now 52½ miles; from Erie to Powerstown 37½ miles; will soon ascertain which is the quickest and reached by doubling Cape Horn; that is to say, the whole western coast of North and South Girard 16 miles; from Erie to Walnut Creek 9½ commerce will finally flow. America, and the islands of the South Sea. It miles; the distance between Sharon and Green-would be taken by all vessels from the United ville, by canal, is 25 miles. For the coal busi-States to China, and probably by a large proportion of those leaving Europe for that destinable bounded by Sharon on the south, and Greenville wharves, etc. advantage would be more than compensated by average distance of 76 miles. the assistance of the trade winds and the gulfstream, and by the total absence of danger during the greater part of the year. The opportunity of making port half way in a country the canal for \$1.25 per ton during the present.

The toll on coal is 3 mills per ton (2000 lbs.)

The toll on coal is 3 mills per ton (2000 lbs.)

Po. do. freight......

Do. do. mails and government expresses...

Do. do. package express
tunity of making port half way in a country the canal for \$1.25 per ton during the present. that seems likely, from its natural wealth, to the canal for \$1,25 per ton, during the present For interest and settlement arrive at a high degree of prosperity, would be a season, (when the business is fairly established strong attraction; and steam vessels, proceed- it will not exceed \$1 per ton.) and, estimating ing by this course to China, would be able to the freight at 80 cents per ton from Sharon to estimate very closely beforehand the probable Erie, the actual cost of a ton of coal delivered duration of the voyage.

refer them for further details to M. de Garay's per ton through the ensuing season.

publication. There is a class of politicians in The coal business must eventual England, at this moment unhappily an influential one, to whom the idea of any canal that the direct connection afforded by this canal loans. through the American isthmus is distasteful. between the river and the lake, and the moderate These men may prevent the execution of the work under English auspices, but their power can extend no further. Executed it certainly will be by others, if not by us. The French government has given unequivocal proofs of its desire to promote this great undertaking, and the shrewd people of the United States too well know their own interests to refuse their aid, should it be solicited. That nation will certainly be river, to Beaver, is 322 miles. From Beaver it be solicited. That nation will certainly be river, to Beaver, is 322 miles. From Beaver, by canal, to Erie, 136 miles. Assuming that wealth shall realize the grandest of all engineer- freight boats may travel, upon an average. the superb wilderness which will then pour its teeming riches into the lap of industry. We scorn to waste arguments on those who deem would put out the sun, if they could, in order to Difference 21 days. protect their own trade in coals and tallow canperfectly legitimate; if the prize be sufferd to pass | So that the average difference of time would be struction of a road. into other hands, England will have had one from 3 to 31 days in favor of the Eric route. more cause to rue the effects of Tory ascendency. The cold and narrow conservatism of our cost. The tolls on the Ohio canal are consider-Henry VII. stood between his people and the ably more than double of those on our Pennsyl-gift of a new world, which Columbus would vania canals; on many articles they are three have conferred on them; we may owe a more and even four times as high. But assuming

mend itself to the notice of a large class of city cents per ton per mile, it would be: freight on

say three millions and a half sterling); and M. mencement of a brisk business, upon the open- Portsmouth, the additional charge for running More thinks the work might possibly be coming of navigation the ensuing spring. The whole thence to Beaver would be but trifling. Allow-pleted for less than £2,500,000 sterling. length of the canal from Beaver to Erie, is 136 ing only 100 tons to a load, and \$30 per day for Pleted for less than £2,500,000 sterling. length of the canal from Beaver to Erie, is 136 ing only 100 tons to a load, and \$30 per day for Assuming that it should even cost four milbios. The length of the navigable feeder, from expense of running 11 days, it would be 45 cents lions, there can be little doubt that an ample reap point two miles above Meadville, to the juncture. The difference in cost between the two

Having laid before our readers this mere outwill, upon the data assumed, be \$2,311. It will Fuel and oil.

mrobably be sold in Eric at not exceeding \$2,75

Miscellaneous expenses. at Erie (in the commencement of the trade) line of a subject so vast and important, we must probably be sold in Erie at not exceeding \$2,75

The coal business must eventually constitute Salaries

wealth shall realize the grandest of all engineer- freight boats may travel, upon an average, 45

In carrying articles from the lake to the great

Now let us examine into the comparative The cold and narrow conservatism of our cost. The tolls on the Ohio canal are considergrievous loss to the sinister influence of the them at double the rate of those on the Eric and country merchants, as well as forwarders.

This new connecting link between the Obio canal route \$3,88. Difference in freighting (on the lakes, says the Chronicle, being canals) \$2,18. Total difference on canals per "By referring to the above table, it will be canals of the route the says:

"By referring to the above table, it will be canals of the route the says: now completed, we may anticipate the com-ton \$9,46. After steamers are loaded below seen that the route is very favorable, as the

NINTH ANNUAL REPORT OF THE NORWICH AND WOR-

\$2,170,365 61

6,102 19 2,920 54 2,052 35

with Boston and Wor-5,156 05-230,674 05 cester railroad.... Expenses during the year ending 31st December, 1844.

12,357 94 17,556 37 32,783 10 1,352 93 770 80 Contingent expenses 50,797 98

curred previous to 1844. 1,378 77-131,209 70 Contingent do. do. . To credit of profit and loss.....\$99,464 35

Whole number of miles run during the year 1844. By trains, road clearing and repairing,.....

Railroads in Vermont .- We learn from that the proud and fairly won supremacy of the English flag is to be maintained by imitating Portsmouth by river to Beaver, 322 miles, at 9 tral railroad" from Boston to Canada, to be the pettyfogging policy of France in the affair of the Cairo and Suez railway; men like these 136 miles, by canal in 3 days,—total 41 days. tween Boston and Concord, N. H. From Concord to the Connecticut, where the White A most rare opportunity is offered us of valley, steamers would travel down stream in river unites with it, the distance is about 50 achieving honour, profit, and influence, by means little more than half the time above assumed. miles, and the route favorable for the con-

Commencing at the mouth of the White river, (four miles below Dartmouth college,) the survey followed up the valley of that river, through the towns of Hartford, Sharon and Royalton to Bethel; thence up the west branch of the river through Randolph and route, and taking such articles as merchandise Braintree to the summit in Roxbury; thence and groceries, the toll on the Erie route would down Dog river, through Northfield and Ber-TRADE OF THE ERIE EXTENSION.

We find in the Erie Chronicle a capital article on the subject of the trade of the Erie Extension, from which we make a liberal extract. It will complete the content of th and the surveyor is of the opinion that the

inclinations will admit of a high rate of speed will be prosecuted with all possible despatch. most beautifully, and as she went was christand heavy freights in operating it, there being more than 40 miles level, and nearly are deeply interested in the early completion is the fourth vessel of this description which three-fourths of the entire distance less than of this road, and it will bring them much has been launched from our wharves within

We learn that considerable excitement has been produced in Fitchburg by the location of the depot—it being upon land owned by find it to their advantage to patronize this & Hollingsworth of this city. The E. I. the president of the railroad company, at some distance from the village. It is thought that officer, in selecting the site, looked more to his own private interest, than to the public accommodation .- Wor. Pal.

Albany and Buffalo Railroad .- A public meeting has been held at Buffalo, to remonstrate against the high charges, and frequent the Michigan legislature, appropriating 140, or by steamboats, has just been invented and changes of hours, on the line of railroad between that city and Albany. the following to St. Joseph, its western termination. There resolution embraces the substance of the whole, as far as they relate to this matter.

Resolved, That the variety of chartered companies, owning sections of the line of railroad from the Hudson river to lake Erie, and the several rival interests to exact the From Boston to Albany, highest endurable fare, and to run at the most seasonable hours for their particular section, without regard to securing travel over the entire line of the road, induces frequent changes in the hours of arrival and departure on one section to compel companies owning contiguous sections to be more compliant in their arrangements-often breaks up for days the continuation of trains-interrupts prior arand to appoint a commissioner with power to ous, but cheaper routes .- Phil. North Amer. fic has been carried on upon 1,522 miles of supervise the same.

At the same meeting a resolution was offered and adopted, in favor of the New York

the abuses growing out of the short monopoly roads now existing between this city and

der the new arrangements entered into being control of this work, we infer from recent notices, that it will be conducted in future ed.—Phil. Inquirer. present organization, S. Merrill, Esq., presi- the ship yard of Messrs. Harris, on Thursday perty in railways worth not less than £100, dent, we have every confidence that the work afternoon; she slid into her proper element 000,000 .- Railway Chronicle.

30 feet per mile."—Wor. Pal.

Fitchburg Railroad.—The freight cars ran over the road to Fitchburg last week, but some further work is to be done before it can be opened for travel.

The freight cars ran over the road to Fitchburg last week, but some further work is to be done before it can be opened for travel. for this surplus will freely circulate among feet stroke, making her power equal to about

> company in the transportation of their mer- Dupont is calculated to make a daily trip chandize, but contribute much to the early each way between Wilmington and Philacompletion of the work. It is a cheap mode delphia, for the carriage of freight and pasof transportation. - Greencastle Visitor.

gor. in 84 hours, as follows:

12 hours. Albany to Buffalo, 30 Buffalo to Detroit, Detroit to St. Joseph, -12 St. Joseph to Chicago, -

Rochester Democrat.

Tolls upon the Pennsylvania Public Works. We have received a copy of the rates of toll fixed by the board of canal commissioners rangements of travellers—stops wholly for to take effect from the 1st of March. We hours their progress—impels the travelling regret exceedingly to find that the board have hours their progress—impels the travelling regret exceedingly to find that the board have community to other channels, and calls loud-made no material reduction in the tolls, comly upon the legislature to exercise its powers pared with the present rates, and that it seems of prescriptive regulation of the summer and to be their fixed determination to drive the Britain, amounts to three millions and a quarwinter trains, and the rates of fare thereon, trade from our State works to more circuit- ter or more—exactly £3,264,450. This traf-

with by this legislature, and, unless greatly amounts to about £4,000 per mile per annum,

em.

a 90-horse engine. The machine is of the Our Merchants and others will not only best description, and made by Betts, Harlan sengers .- Philadelphia Post.

Michigan Central Railroad.—This road will be in full blast to Kalamazoo the ensumethod for labelling boxes and packages to ing summer; and a bill is now pending in be conveyed by luggage trains on railways, is no more important work in the Union, none ger to whom the boxes, etc., belong obtains which should be prosecuted with greater vi- at the station or booking office, or of any of When this last link is completed, the the shops where they are sold, a packet of journey can be made from Boston to Chicago lables printed with blank spaces for the names, etc., and number of packages to be filled up with pen and ink; the outward wrapper of each packet is absorbent, so that the ink is prevented from being blotted, and the paper on which the lables are printed is made adhesive in the same manner as the post office stamps. Thus in the space of two minutes half-a-dozzen lables may be prepared and stuck upon the packages, and mistakes and confusion avoided. The invention is a prevention to losses, and deserves patronage. - Lon. Times.

the thirty-eight principal railways in Great railway, and 234 miles of branch lines, mak-The Illinois Canal Loan.—On the 14 insting in all 1,756 miles. This revenue is Governor Ford transmitted a message to the fered and adopted, in favor of the New York and Erie railroad, as follows:

Resolved, That the citizens of western N. York are intimately interested in the speedy completion of the New York and Erie railroad. The difference of the speedy completion of the New York and Erie railroad. The difference of the speedy completion of the New York and Erie railroad. The difference of the sufficient amount of money to complete this work. The able Springfield correspondent of the St. Louis Republican thus improvement of provided the country, and only slightly to the increase in the extent of the public. It represents an improvement of provided the country, and only slightly to the increase in the extent of the country. respondent of the St. Louis Republican thus improvement of nearly ten millions in the road, and thereby, among other great benefits, to acquire an effectual tendency to correct that they cannot and will not be complied the commencement of 1844. This revenue altered, the canal loan may be considered at of which let us take £1,600 for working ex-Albany, and to surely induce the travel from the lower Ohio and Mississippi to a more speedy and less expensive route to and from New York and Boston.

A committee was appointed to draft a memount of interest upon our whole debt after amount of interest upon our whole debt after the logical type in conformity with the exception of a few mad brains, in the region of the canal—but what unless tatingly say, that the idea of paying the full amount of interest upon our whole debt after the total sum available this half-year for interest and dividends will be about £2,000,000, which let us take £1,600 for working expenses, and we have £2,400 per mile per an an end. I have not heard a single member penses, and we have £2,400 per mile per an an end. I have not heard a single member penses, and we have £2,400 per mile per an an end. I have not heard a single member penses, and we have £2,400 per mile per an an end. I have not heard a single member penses, and we have £2,400 per mile per an an end. I have not heard a single member penses, and we have £2,400 per mile per an an end. I have not heard a single member penses, and we have £2,400 per mile per an an end. I have not heard a single member penses, and we have £2,400 per mile per an an end. I have not heard a single member penses, and we have £2,400 per mile per an end. I have not heard a single member penses, and we have £2,400 per mile per an end. I have not heard a single member penses, and we have £2,400 per mile per an end. I have not heard a single member penses, and we have £2,400 per mile per an end. I have not heard a single member penses, and we have £2,400 per mile per an end. I have not heard a single member penses, and we have £2,400 per mile per an end. I have not heard a single member penses, and we have £2,400 per mile penses, and we have £2,400 per mile penses, and we have £2,400 penses, an morial to the legislature, in conformity with the spirit of these resolutions.—Jour of Com. the expiration of ten years, which would exceed \$700,000 annually, including the school debt, is too preposterous to be entertained for of £80,000,000. But, as many of the lines a moment. And, unless by conference with are worth more than 20 years' purchase, and Gov. Davis and Mr. Leavitt, the terms are as many small lines are not included in this with renewed zeal. The board are generally enterprizing and business men, and with the says: "A new steamboat was launched from ment of 1845 we start with a national pro-

E 27 1 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	No.		ENGLIS	100	ROAL		E-LIST.		. Nines	LANGE	DUCK TO THE	ch)	Bhase
of districtions and in leasens	tro s	ised	ind ised	nds,	inthi bal	nings, in six months	Dividend at la meeting.		\ NEW	RAILW	AYS.		Share Capital
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of made 10 a look up and the co	opened.	5.0	ort	in i	ix lat	earnings, for six mc in latest ets.	share.	share.			tion		200,00
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or each restrainments and paste or a	Miles	Total sums, authorized to by shares.	Total sums, in authorized to by loan or mo	ala	Ped Co						Accrin		400,00
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At Western Steam Pa. Attropolitan Wood Pav. 15,0 Attropolitan Wood Pav. 10,0 Attropolitan Wood Pav. 10,0 Attropolitan Wood Pav. 10,0 Attropolitan Institution 11,4 Attropolitan Institution 11,4 Attropolitan Institution 12,5 Attropolitan Institution 14,0 Attropolitan Institution 15,0 Attropolitan Institution 16,0 Attropolitan Inst	00 1 93 50 00 50 3 100 00 100 00 25 00 10 00 50 32 113 20 100 00 188	50 40 100 60 5 7½ 50 100 100 79 100	6 41 10 10 14 14 10 15	70 70 180 180 160 13 1 13 1 13 1 13 1 13 1 13 1 13 1	Son Sta Sta Str. Str. Str. Sev. Tr. Th. W.	nerset conflord and rewsbury. urbridge oudwater ansea vern & Went and Mames and arwick ar arwick ar mingham	Worcester	80 70 50 30 20 53 V. 3,76 2,66 8,14 m. 2,00 Water 4,80	0 140 0 125 0 145 0 150 3 100 22 261 0 50 9 191 0 100 c Work	140 125 145 150 100 26½ 50 19¼ 100 100	12 14 19 15 51 65 	360 240 30 495 10 167 122	360 240 30 10
At Western Steam Pa. Metropolitan Wood Pav. 15,0 Peninsular and Oriental. 11,4 Ditto. 3,2 Polytechnic Institution. 2 Reversionary Int. Soc. 5,3 R. Mail Steam Packet. 15,0 Couth Western Steam. 4,0 Hispowners' Towing. 3,0 Thames Tunnel. 4,0 University College. 1,5 Ashby de la Zouch. 1,4 Barnsley. 3,0 Birmingham, 1-16 share. 3,0 Do. and LiverpoolJunction 2,4 Coventry. 15,5 Ashord R. Saransley. 3,0 Ashord R. Saransley. 3,0 Coventry. 1,4	00 1 93 50 00 50 00 50 00 100 00 100 00 25 00 100 00 50 00 100 Canals, 32 113 20 100 00 160 00 100	50 40 	10 11 18 11 12 12 12 12 12 12 12 12 12 12 12 12	70 180 180 180 180 180 180 180 180 180 18	Sor Sta Shr Stor Stor Stor Str Str Str Str Str Str Str Str Str St	nerset conford and rewsbury, urbridge oudwater ansea vern & Went and Mames and arwick ar arwick ar arwick ar tondor	Worcester Why & Rail A Iersey. Medway. Medway. Mod Birmingha Napton	80 70 50 30 20 53 3,76 2,60 8,14 m. 2,00 98 Water 4,83	0 140 0 125 0 145 0 150 3 100 2 26½ 00 50 9 19‡ 0 100 c Work 00 25 13 100	140 125 145 150 100 26\frac{1}{2} 50 19\frac{1}{1} 100 100	12 14 19 15 51 65 101 81 8	360 240 30 495 10 167 122 28 223	360 240 30 10 28 225
A Western Steam Pa	00 1 33 50 00 50 3 100 3 100 3 100 3 100 3 100 5 000 5 000 5 000 6 00 6	50 40 	6 41 10 10 11 10 14 11 10 11 20 24 24	70 70 180 180 160 160 160 163 133 133 135 550 250	Son Sta	merset conford and rewsbury. urbridge oudwater ransea	Worcester Why & Rail A fersey I Medway ad Birminghand Napton h	80 70 50 30 20 53 7, 2, 60 8, 14 2, 60 8, 14 4, 81 4, 81 4, 44 5, 5, 5, 5, 5	0 140 0 125 0 145 0 150 3 100 50 2 26½ 0 50 9 19¼ 0 100 c Work 0 25 100 av.	140 125 145 150 100 26½ 50 19¼ 100 100	12 14 19 15 5½ 65 10½ 8½	360 240 30 495 10 167 122	360 240 30 10 28 225
A Western Steam Pa 15,0	00 1 93 50 00 50 00 50 00 100 00 100 00 25 00 100 00 50 00 100 00 184 00 160 00 00 do. 00 do.	50 40 100 60 5 7½ 50 100 100 100 do. do.	4 14 14 16 10 11 20 24 24 9	70 70 180 180 165 165 250 250 105	Sorres Star Shrings Star Shrings Star Star Star Star Star Star Star Star	merset conflord and freewsbury. urbridge oudwater ansea vern & Went and Mames and arwick ar arwick ar armingham st London and Junct w River	Al. Worcester Worcester Why & Rail A fersey Medway Medway A Simple control of the control o	80 70 50 20 53 3,76 2,66 8,14 1,90 Water 4,80 4,43 5,55 1,56	0 140 0 125 0 145 0 150 0 150 3 100 2 26½ 0 50 9 19¼ 0 100 c Work 0 25 13 100 av.	140 125 145 150 100 26\\ 50 19\\ 100 100 8.	12 14 19 15 5½ 65 	240 30 495 10 167 122 28 223 88	360 240 30 10 28 225 90
At Western Steam Pa Metropolitan Wood Pav. 15,0 Peninsular and Oriental. 11,4 Ditto. 3,2 Polytechnic Institution. 2 Reversionary Int. Soc. 5,3 Mail Steam Packet. 15,0 Couth Western Steam. 4,0 Chames Tunnel. 4,0 University College. 1,5 Ashby de la Zouch. 1,4 Barnsley. 3,0 Sirmingham, 1-16 share. 3,0 Coventry. 7 Comford. 1,6 Derby. 15,0 Corewash. 15,0	00 1 93 50 00 50 00 50 00 100 00 25 00 10 00 50 00 100 00 100 00 100 00 100 00 118 00 118 00 100 00 00 31 do.	50 40 	4 14 18 10 11 12 12 12 12 14 12 12 12 12 14 12 12 12 12 12 12 12 12 12 12 12 12 12	70 104 104 36 37	Son Sta Shr Sta Shr Sta Shr Sta Str Str Str Str Tr Th William Str	nerset conford and few shury. urbridge oudwater ansea vern & Went and Mames and arwick ar arwick ar urmingham at London and Junci w River unchester	Worcester Why & Rail A lersey Medway Medway Mod Birminghand Napton L. B. Ann and Salford.	80 70 50 30 20 53 7. 2,66 8,14 m. 2,00 98 Water 4,81 4,43 5,56 6,48	0 140 0 125 0 145 0 150 0 150 3 100 2 26\frac{1}{2} 0 50 9 19\frac{1}{2} 0 100 0 25 3 100 av. 0 av.	140 125 145 150 100 26\frac{1}{2}5 100 100 5. 25 100 41 2-3 30	12 14 19 15 55 65 104 84 74 24 88	360 240 30 495 10 167 122 28 223 88 57	240 30 10 28 225 90 57
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Ashby de la Zouch Barnsley Brimnigham, 1-16 share Brimnigham, 1-16 share Borand LiverpoolJunction Coverby Coventry Coventry Coverby Coventry Coven	00 1 33 50 00 50 00 50 00 100 00 100 00 150 00 100 00 50 00 100 00 1184 00 100 00 100 00 100 00 100 00 100 00 100 00 100 00 100 00 100 00 100 00 100 00 100 00 100 00 100 00 100 00 100 00 100 00 100	50 40 100 60 5 71 50 100 79 100 do. do. do. do. do. do. do. do. do. do.	4 14 18 10 15 10 20 30 24 22 24 24 27 16	70 180 180 180 180 180 180 180 180 180 18	Son Sta Shr Sta Shr Sta Shr Sta Str	nerset conford and fewsbury, urbridge oudwater ansea eren & Weent and Mames and arwick ar arwick ar arwick an arwick ar arwick and Junca w River anchester uxhall, it	Worcester Why & Rail A lersey Medway Medway Mod Birminghand Napton L. B. Ann and Salford.	80 70 50 30 20 53 7. 2,60 8,14 2,60 4,81 4,43 5,50 1,50 6,48 1,00 8,29	0 140 0 125 0 145 0 145 0 150 3 100 22 26½ 09 50 99 19½ 00 100 cr Work 00 25 3 100 av.	140 125 145 150 100 26\frac{1}{2}5 100 100 5. 25 100 41 2-3 30	12 14 19 15 55 65 104 84 74 24 88	360 240 30 495 10 167 122 28 223 88 57	360 240 30 10 28 225 90 57 55
At Western Steam Pa. Metropolitan Wood Pav. 15,0 Peninsular and Oriental. 11,4 Ditto. 3,2 Polytechnic Institution. 3,2 R. Mail Steam Packet. 15,0 South Western Steam. 4,0 Ship Owners' Towing. 3,0 Chames Tunnel. 4,0 Jniversity College. 1,5 Ashby de la Zouch. 1,4 Barnsley. 3,0 Barnsley. 3,0 Coand LiverpoolJunction 2,0 Coventry. 2,0 Cromford. 4,0 Derby 6,0 Crewash 7,0 Crewash 7,0 Cornel and Clyde. 1,5 Grand Junction. 1,6 Grand Junction. 1,5	00 1 33 50 00 50 00 50 00 100 00 100 00 15 000 100 00 50 00 100 00 1184 00 100 00 100 00 100 00 100 00 100 00 100 00 100 00 100 00 100 00 100 00 100 00 do.	50 40 100 60 5 7½ 50 100 100 100 do. do. do. 400 400 do.	4 14 18 10 11 12 12 12 12 12 12 12 12 12 12 12 12	70 70 180 180 180 180 165 165 250 250 40 440 440 161 20	Son Sta	nerset conford and rewsbury. urbridge oudwater ansea wern & Weern and Mames and arwick at arwick at Londor and Junct w River nachester tuxhall, It est Middle	Al. Worcester. Worcester. Thy & Rail A fersey. Medway. d Birmingha d Napton. L. B. Ann. and Salford. S. London.	80 70 50 20 53 3,76 2,66 8,14 5,56 4,86 4,43 5,56 6,44 1,00 8,22	0 40 120 140 120 120 120 130 150 3100 22 26\frac{1}{2}	140 125 145 145 150 100 26\\$ 50 19\\$ 100 100 \$\$ \$\$ \$\$ 100 41 2-3 30 100 63\\$	12 14 19 15 55 65 10½ 8½ 7½ 2½ 88 5 68	360 240 30 495 10 167 122 28 223 88 57 55 126	360 240 30 10 28 225 90 57 55
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te Western Steam Pa. detropolitan Wood Pav. 15,0 denotopolitan Wood Pav. 10,0 leninsular and Oriental. 11,4 bitto. 3,2 collytechnic Institution. 11,4 collytechnic Institution. 12,4 deversionary Int. Soc. 5,3 d. Mail Steam Packet. 15,0 outh Western Steam. 4,0 dhip Owners' Towing. 3,0 chames Tunnel. 4,0 Jniversity College. 1,5 lishby de la Zouch. 1,4 Barnsley. 1,5 conflord. 2,6 cromford. 2,7 cromford. 3,6 cromford. 1,6 c	00 1 33 50 00 50 00 50 00 00 25 00 10 00 50 00 10 00 50 00 118 1 00 160 00 160 00 100 660 00 60 31 do. 97 400 00 100 00 40 00 49 150	50 40 100 60 5 7½ 50 100 79 100 do. do. do. do. do. do. do. do. do. do.	4 14 18 10 15 10 1	70 70 185 185 185 185	Son Sta	nerset conford and rewsbury, urbridge oudwater ansea vern & Went and Mames and arwick ar arwick ar minghan st London and Junctow River anchester tuxhall, it est Middlemmercial st and W	Morcester Worcester Why & Rail A lersey Medway Medway More Birminghand Napton L. B. Ann and Salford S. London lesex Dock est India	80 70 50 30 20 53 3,76 2,66 8,14 m,00 4,88 4,43 5,56 1,56 6,48 1,06 8,22 D	0 140 0 125 0 145 0 145 0 150 3 100 22 26½ 0 50 9 19½ 0 100 c Work 0 25 13 100 av. 0 av. 0 av. 0 av.	140 125 145 145 150 100 26\\$ 50 19\\$ 100 100 \$\$ \$\$ \$\$ 100 41 2-3 30 100 63\\$	12 14 19 15 5½ 65 10½ 8½ 7½ 2½ 8% 5 6%	360 240 30 495 10 167 122 28 223 88 57 55 126	360 240 30 10 10 28 225 90 57 55 127
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STATE WINES	Length	1 Con	-	184	1600000	D CANA			State C	anale	are all 4 6	et deen and	the locks
STATE WORKS.	in miles	Cos	100	Income.		Income.	Expend.					et deep, and 0 feet in leng	
Y. 1 Black river canal—(including 4 y'rs' def.) " 2 Cayuga and Seneca—(do. 14 years' def.)	35 21	1,524		10 550	10.050	04.010		The	e six n	nillio	ns paid t	o the canal	fund fro
" 3 Champlain canal	61	1,251	7,000	102,308	10,953	116,739	14,443	auctio	n and	salt	duties a	re not incl	uded in t
" 4 Cheming—(do 11 years' deficiencies)	93		,600		14,486	14,385	19.740	Plack	ite of	cost.	The G	enesee vall	ey and t
" 5 Chenango—(do. 7 years' def.) 6 Crooked lake—(do. 10 years' def.)	97	2,420			15,967	22,179		compl	river	canal	s require	e large sur which add	ns for the
" 6 Crooked lake-(do. 10 years' def.)	. 8		777	461	3,674	1,498	3.951	is mu	ch ore	nter t	han the e	stimated gr	ces incor
" 7 Erie—enlargement of	363			,880,316		*******		of the	se can	ale t	when fini	shed. Th	e sume i
" 8 Genessee valley—(do. 5 years' def.)	120	3,739						quired	to con	mplet	e these to	wo canals a	re \$2.00
" 9 52 miles opened, cost \$1,500,000				12,292	13,819	19,641	15,557	000 ar	nd \$60	0.000	making	their total	cost wh
" 10 Oneida lake—(do. 4 years' def.)	6		000,	225	2,239	621	1,636	finishe	ed \$5.5	53.00	0 and #2	409.000: 8	n expend
" 11 Oswego—(do. 14 years' def.)	38	565	,437	29,147	22,742	56,165	28,599	ture i	curre	d on	estimated	incomes (admitted
2a 12 Beaver division canal						7,381	5,386	be libe	eral,) c	of \$39	0,000 and	\$14,000 re	spective
" 13 Delaware canal	60					109,278	22,870					the works	
THE FIGHER CICCH					******	****		vania	for 18	43 w	ere \$1.0	19,401; for	1844 \$
" 15 Seneca river towing path	00	69	,276 .			381		164.32	6, and	the c	ost about	30 million	S.
" 17 Eastern division	82 36					443,336	.00000	The	recei	ots for	r 1844 we	ere as follor	WA:
" 18 Juniata canal	39					179,781	138,913	Canal	tolls,			7117	578,4
" 19 Portage railroad	130					100000	049 049	Railro	ad tol	ls,	. ,		252,8
20 Western division canal	105			******		351,102	248,943	Motiv	e pow	er,		1 . 15	319,5
" 21 North branch Susquehannah canal	100			. 1	- 1		11 14	Truck	8,	-			13,4
" 22 West " " " "	73					101,949	57 699	of whi	ah des	25,000	ia from	112 miles	of mailway
hio 23 Hocking canal	56						4 120	and #	578,40	4 from	n 550 mi	les of cana	1.
" 24 Miami canal	85		,130	4,757		5,286	00 941	The	cana	SOF	Ohio are	supported	hy a n
, 25 Miami extension		1,660 2,856			38,826	77,844 12,723	14 741	perty 1	ax of	51 m	ills on th	ne dollar.	There
26 Miami northern division.	35		,000	0,231		unfin'd		853 m	iles of	cana	l in the 8	state, which	vielded
27 Muskingum	91	1,627		23,167		00 205	15.005	1843	\$471.6	23. aı	nd in 18	44 \$515.393	3. the co
" 28 Ohio	334	4,600		322,754		242 711	113 010	1st Ja	n. '43 l	being	\$15.577	233. The	increase
" 29 Wabash	91	3,028		35,922		48,589	10 017	44 OV	er 43	is on	v \$43.77	0. though t	he vear
" 30 Walhonding	95		.269		39,005	1,977	1 038	has ex	hibited	ia g	reater in	crease thro	ughout
" 31 Western road	31		.015	7,254		8,747		countr	y than	ever	before k	nown.	0
Id. 32 Sundry works		11.000	000	1,002	1,102	0,121	2,020	The	se 21	milli	ons on si	indry work	s vield
33 Maume canal								incom				and y work	Jiera
III. 34 Sundry works		10,000	.000					The	centra	al rai	lroad vie	lds above	6 per cer
ich 35 Central railroad	110	1.842	308	149.987	75.960	211.170	89.420	and is	the or	lv St	ate work	the Erie	canal
" 36 Southern railroad	68	936	,295	24,064	7,907	60,341	70,000	cepted	-whi	ch is	able to st	tand alone.	
······	Length	~~~	~~~	1843.	Div	V.1 15	S14.	Div	Value		~~~		
CANALS.	in	Cost		Income	. pe	Inc.	ome.	per	of	-	F	EMARKS.	
Blackstone.	miles.			ross.			Nett.		stock.	-			
Bald Eagle Navigation.		400	000	*****			*****						
		1 000	. 000		****					***			ama Cata
Beaver and Sandy, (part)	*****	1,000,	. 000									erhaps, ats	
Charleston, (S. C.)	104	10 980	120	P (00#	** ** ***							ed to give t	ne partie
Chesapeake and Ohio	104	12,370,	470 4	1,037								ese canals.	Ohio oon
ConesiotaDelaware and Chesapeake	12	300,	,000				40					peake and	
Schuylkill.	100	9 500	000 00	0 202 10		100 000	100 001		26 31			ompleted to	
Schuylani,		3,300,	000 27	9, 199 10:	3,221	. 190,693	120,024					its trifling	
										1-:11	onel has	been com	noneed
Farmington												s canal was	
Farmington. James river and Kenhawa										2.1	ne millio	n, about or	e-fourth
Farmington. James river and Kenhawa. Middlesex		200								for o		m, about or	the nan
Farmington. James river and Kenhawa. Middlesex		200.	000							for o	e cost I	t is said in	ene but
Farmington. James river and Kenhawa. Middlesex Port Deposit. Delaware and Raritan	10 43	200.	000							of it	s cost. I	t is said in	Wehs
Farmington. James river and Kenhawa. Middlesex Port Deposit. Delaware and Raritan Southwark.	10 43	200, 2,900, 300,	000 . 000 9	9,623 53	3,327					of it	s cost. I it is to be	t is said in enlarged.	
Farmington. James river and Kenhawa. Middlesex. Port Deposit. Delaware and Raritan Southwark. Tide Water.	10 43 45	200, 2,900, 300, 2,900,	000 . 000 9 000 .	9,623 53	3,327					of it that seen	s cost. I it is to be no repor	t is said in enlarged. t, nor hear	of the
Farmington. James river and Kenhawa. Middlesex. Port Deposit. Delaware and Raritan. Southwark. Tide Water. Union.	10 43 45 80	200, 2,900, 300, 2,900, 2,000,	000 000 000 000 000	9,623 53	3,327					of it that seen	s cost. I it is to be no repor	t is said in enlarged.	of the
Farmington. James river and Kenhawa. Middlesex. Port Deposit. Delaware and Raritan. Southwark. Tide Water. Union.	10 43 45	200, 2,900, 300, 2,900,	000 000 000 000 000	9,623 53	3,327					of it that seen	s cost. I it is to be no repor	t is said in enlarged. t, nor hear	of the
Farmington. James river and Kenhawa. Middlesex. Port Deposit. Delaware and Raritan Southwark. Tide Water. Union. Morris. Dismal Swamp	10 43 45 80 101	200, 2,900, 300, 2,900, 2,000, 1,000,	000 000 000 000 000 000	9,623 55	3,327					of it that seen poin	s cost. I it is to be no repor tment of	t is said in enlarged. t, nor heard any engine	l of the
Farmington. James river and Kenhawa. Middlesex. Port Deposit. Delaware and Raritan Southwark. Tide Water. Union. Morris. Dismal Swamp	10 43 45 80 101	200, 2,900, 300, 2,900, 2,000, 1,000,	000 000 000 000 000 000	9,623 55	3,327			f canal.		of it that seen poin	s cost. I it is to be no repor tment of	it is said in e enlarged. t, nor heard any engine	l of the ser.
Farmington. James river and Kenhawa. Middlesex. Port Deposit. Delaware and Raritan Southwark. Tide Water. Union. Morris. Dismal Swamp. CANADIAN CANALS.	10 43 45 80 101	200, 2,900, 300, 2,900, 2,000, 1,000,	000 000 000 000 000 000	19,623 50 St. Length of chamber.	ize of loc Width.	ks. Depth on mitre sill.	Width o	f canal.	28	of it that seen poin	s cost. I it is to be no reportment of Expended to lept. 1843.	t is said in e enlarged. t, nor heard any engine	of the ser.
Farmington. James river and Kenhawa. Middlesex. Port Deposit. Delaware and Raritan. Southwark. Tide Water. Union. Morris. Dismal Swamp. CANADIAN CANALS. The Welland canal.	10 43 45 80 101 Length in miles.	200, 2,900, 300, 2,900, 1,000, No. of L locks.	000 .000 .000 .000 .000 .000 .000	S Length of chamber.	ize of loc Width.	ks. Depth on mitre sill.	Width of Bottom.	f canal. Surface	28 Estim 3,948	of it that seen poin ate.	s cost. I it is to be no repor tment of	it is said in e enlarged. t, nor heard any engine	l of the aper.
Farmington. James river and Kenhawa. Middlesex. Port Deposit. Delaware and Raritan. Southwark. Tide Water. Union. Morris. Dismal Swamp. CANADIAN CANALS. The Welland canal. Main trunk from Port Colborne to Port Dalhousie	10 43 45 80 101 Length in miles.	200, 2,900, 300, 2,900, 2,000, 1,000, No. of L locks. ii	000 . 000 9 000 . 000 . 000 . ookage	Length of chamber.	3,327 Size of loc Width. feet. 26 1-2	ks. Depth on mitre sill. feet. 8 1-2	Width o Bottom. feet. 45	f canal. Surface feet. 81	28	of it that seen poin ate.	s cost. I it is to be no reportment of Expended to lept. 1843.	t is said in e enlarged. t, nor heard any engine	of the a
Farmington. James river and Kenhawa. Middlesex. Port Deposit. Delaware and Raritan Southwark. Tide Water. Union. Morris Dismal Swamp. CANADIAN CANALS. The Welland canal. Main trunk from Port Colborne to Port Dalhousie	10 43 45 80 101 Length in miles.	200, 2,900, 300, 2,900, 2,000, 1,000, No. of Lincks.	000 . 000 9 000 . 000 . 000 . ookage n feet.	150	3,327 ize of loc Width. feet. 26 1-2 26 1-2	ks. Depth on mitre sill. feet. 8 1-2 8 1-2	Width of Bottom.	f canal. Surface feet. 81	28 Estim 3,948	of it that seen poin ate.	s cost. I it is to be no reportment of Expended to lept. 1843.	t is said in e enlarged. t, nor heard any engine	l of the aper.
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		51 323	AME	RICAN	RAIL	ROA		FF 31.76			and the same	1		SALE	is.
COLUMN TO A	THE REPORT OF THE PROPERTY OF THE PARTY OF T	Length	Cost.		Number	Paid on	Inco		Div.	184 Inco		Div.	Previ-	Week er 22d Febr	ding
	RAILROADS.	miles.	A TAX DRES VINT	debts.	shares.	hare	Gross.	Nett.	cent.	Gross.	Nett.	cent.	prices	Shares.	Price
Me.	I Portland, Saco and Portsmouth	50	1,200,000				89,997	47,166	7	124,497	74,841	6			
N. H.	2 Concord	35	750,000				178,745	69 400	6	233,101	96 401	12			
Mass.	3 Boston and Maine	56 26	1,485,461			****	277,315	144 000	8	316,909	147.615	8	120	3	120
"	5 Boston and Providence	41	1,863,746 1,886,135 2,914,078				233.388	110,823		282,701			107		
"	6 Boston and Worcester	44	2,914,078				404.141	162,000		428,437	195,163	71	117	18	1171
- 66	7 Berkshire	21	250.000	not stated				17,500	7	17,737	******				
66	8 Charlestown branch		280,260				279,563	140 505	13	34,654 337,238	13,971		81	10	
66	9 Eastern	54 50	2,388,631 1,150,000	inct onn?d			279,563		0	42,759			1151	10	118
86	10 Fitchburg	25 1-2	139,850	do			*****			20,100	20,000				110
- 66	12 Nashua and Lowell	14 1-2	380,000	do.			84,079		8	94,588	34,944	10	120		
64	13 New Bedford and Taunton	20	430,962 2,170,366				50 671	24.000	6	64,998	24,000	6			
66	14 Norwich and Worcester		2,170,366	not stated			162,336			230,674	99,464	3	721	5,492	71
44	15 Taunton branch	11							8	96,687	20,000	8	118		
66	16 West Stockbridge	3	41,516 7,686,202	1 696 300	20,000	100	572 000	284 432		753.753	439 679	3	99	364	001
66	17 Western, (117 miles in Mass.,) 18 Worcester branch to Milbury	156	8,431	506	30,000	100	313,002	201,102			100,010		33		331
-	19 Hartford and New Haven	00											100		
48	20 Housatonic (10 months.)	74	1,244,123 2,600,000							150,000			371	225	37
46	21 Stonington, (year ending 1st Sept.,) 22 Attica and Buffalo	48	2,600,000				113,889	******		154,724	79,845		431	4,195	42
N.Y.	22 Attica and Buffalo	31 1-2	268,275 1,727,361				45,896	7.522							
66	23 Auburn and Rochester	78	1,727,361				189,693	27 334			*****		107	10	116
11	24 Auburn and Syracuse 25 Buffalo and Niagara	26 22	743,931 200,000 5,000,000		1.500	1334	00,291	21,001					100	10	110
44	26 Erie, (446 miles,)		5,000,000		1,000	1008							304	320	30
44	27 Erie, opened	53						48,000							
28	28 Harlem	26	2,200,000										73	1,825	704
	29 Hudson and Berkshire						*****			153 456	70.040		*****		
	30 Long Island	95	1,884,640 1,030,949	392,340	29,846	50	60.040	58 780	• • • •	153,456 84,306	40,000		66	8,815 275	
	31 Mohawk	43	600,000				76 997	30,100			10,000		00	213	
	33 Troy and Greenbush	6	180,000										15.00		
11	34 Troy and Saratoga		475.865				44.325	21,000		,					
86	34 Troy and Saratoga	20 1-2	COD = 00				28,043								
44	36 Schenectady and Saratoga	22	300,000				42,242	3,000	1	******					
ir	37 Utica and Schenectady	78	300,000 2,124,013 1,080,219 3,200,000 500,000				277,164	79,000	9	******			131	15	1291
ATET	38 Utica and Syracuse	53	1,080,219	*******		***	690,990	383 880					119	10	1154
N.W.	39 Camden and Amboy	61 26	500,000				002,002	,000					110	33	110
-	41 Morris and Essex														
	42 New Jersey	34	2,000,000 500,000										94	100	94
	43 Paterson	16	500,000									6	85	25	851
Pa.	44 Beaver Meadow	26													
	45 Cumberland Valley		1,250,000										,		
	16 Franklin	10 1-2 36	960 000					1					30		
11	48 Hazleton branch*		120,000										33		
	49 Little Schuvlkill		900,000												
66	50 Lerkone Valley	16 1.9													
44	51 Mauch Chunk* 52 Minehill and Schuylkill Haven*	9	100,000			:			10				:::		
44	52 Minehill and Schuylkill Haven*	18	315,000						1.0				144		140
	53 Norristown		400,000									-	105	0	6
34	55 Pottsville and Danville	29 1-2	11.500,000												
**	56 Reading	94	9,457,570	7,447,570	40,200	50				597,613	343,511		50		48
66	57 Schuylkill valley*		1,000,000												
11	58 Williamsport and Elmira	25	400,000				20,000	200 000			310 000		49		
	59 Philadelphia and Baltimore						43,043	200,000			210,000			6,282	
	61 Baltimore and Ohio, (1st Oct.)						1575 935	279.402		58,620	346 946		483	10	481
- 66	62 Baltimore and Susquehanna	58	3,000,000										5	10	
	63 Baltimore and Washington	38	1,800,000				177,227	71,691		212,129	104.529		84		
Va.	64 Greensville and Roanoke	17 1-2	260,000												
44	65 Petersburg and Roanoke									*		1 3			
66	66 Portsmouth and Roanoke	78 1-2						******		1		1			
44	67 Richmond and Fredericksburg* 68 Richmond and Petersburg	22 1-2	1,200,000 700,000				1		1						
23	69 Winchester and Potomac	39	500,000						1	1		1			
V. C	70 Raleigh and Gaston	84 1-2	1 360 000				1								
**	71 Wilmington and Raleigh	161	1,800,000												
8. C	72 South Carolina	136	5,299,224		24 410							8			
	73 Columbia	66			1		201,464	77,456		328,425	180,704		55		
Crat.	75 Georgia	190	2,581,723				248 000	158 90		048 006	147 505				
Ala.	76 Tuscumbia	46	Secretary						1	Valar.			1	-	
Ky.	77 Lexington and Ohio	40	500.000			1:000				1	1	1	1	1	1
	78 Little Miami	40	450.000						1			1	1	1	
-66	79 Mad river	40	400 000					A C C C C C							
Mich	80 Monroeville and Sandusky										1	1			-
MATICIT.	81 Detroit and Pontiac82 Erie and Kalamazoo	25 33	1			1	. 1					1			
	83 Madison and Indianapolis	56	159.000)		1		******							
ind			. ASTWARDS			1									

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each week and of the corresponding week of last year to be regularly sent to us.

Correspondents will oblige us by sending in their communications by Monday morning at latest.

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AMERICAN RAILROAD JOURNAL.

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Thursday, March 6, 1845.

NEW YORK AND ALBANY RAILROAD.

This project has been kept alive for some years by a few spirited individuals, who, with much trouble and some loss of time and money, have preserved a most valuable charter, always holding themselves in readiness to surrender it into the hands of any association of gentlemen, whose influence, character and wealth were adequate to the successful accomplishment of this great and-to the city of New Yorkunrivalled undertaking. It is with the liveliest satisfaction we announce that, a few days since, a num. ber of gentlemen, whose ability to carry through the project is beyond all doubt, obtained, from the persevering individuals, above alluded to, the charter, rights, surveys, etc., of the New York and Albany railroad company, for \$50,000. These latter gentlemen have secured their object, the construction of the work, and the new association have now in their hands, at a cost of little more than three hundred dollars per mile, a charter, and a mass of information, to acquire which, would have cost them at least the sum paid and the loss of an entire season. Those unacquainted with these subjects will be surprised to learn the large expenditures incurred for such purposes. In their report of 7th October, 1843, Messrs. Allen and Brown, the then president and vice president, of the New York and Erie railroad company state the expenses under the head of "miscellaneous." salaries of officers, clerkship, printing, legal expenses etc., \$230,366 93, just five hundred dollars per mile, besides engineering, \$331,318 79. On the Western railroad, the Croton aqueduct, and numerous other works, large expenditures were also incurred for similar purposes, and necessarily so, for we desire to draw no invidious comparisons, but merely to show that the new company start with the immense advantages of an admirable charter and of very extensive surveys, together with a variety of information, at the very small cost of \$50,000.

Having stated the facts, we will conclude with the hope, that this noble undertaking will be viewed as a great work of civil engineering; that it will not fall into the hands of a set of politicians or stock jobbers; that it will be regarded by the community as a permanent investment, and, lastly, that the distinguished gentlemen, under whose direction it is to State boasts not to this day of a single railway of the first order in this country, far less in England.

We particularly request statements of the traffic of LONG ISLAND AND NORWICH AND WORCESTER BAIL-ROADS.

> out of 30,000 the total number of shares of the Long an excellent list of exchanges. It would be unfair Island railroad have been sold at prices varying from not to mention the Philadelphia press, which has 76 to 80, and closing on 1st March at 78. It is not been in both respects particularly generous. We do probable that many shares have been purchased for not presume to claim the slightest notice of the value investment, the only transactions in which we take of the Journal, but wherever the subject of railways any interest; still it may not be altogether useless to is important we must think that we are entitled to examine the actual value of the stock with the scan- the courtesy of an exchange, yet the only points of ty information vouchsafed to us by the directors. If which we have any reason to complain, are the very the road were entirely free from debt, finished and ones where railways are the leading topic of the day. fully equipped for its business in freight and passen- We allude to Boston, Albany and Montreal. The gers, if it had for some years regularly paid 5 per St. Catharine's Journal is our only exchange from cent. to the stockholders from a trade furnished by the the province of Canada, though they are obliged to Island, and therefore free from competition, having refer to the pages of the Journal, when they attempt at the same time a fair reserve to meet contingencies to discuss their general policy with reference to puband renewals of road and machinery, the stock would lie works. Again, in Albany, at this very time, they then be worth about 80 as an investment. To ascer- are in want of the information in late numbers, in tain its present value each reader must trust to his order to fully understand the present most anomalous own fancy.

> Again, we know that \$2,500,000 is a moderate estimate of the cost of such a road complete with a sin-sions on their own railways, they should feel so utgle track; we also know that \$150,000 per annum is terly indifferent to the success of the great cause a reasonable estimate of the cost of running, repair- throughout the Union, and unwillingly bid them fareing and renewing; hence a gross income of \$300, well. 000 from the road alone is required to divide 6 per cent., when the stock will of course be at par for investments. This estimate does not include steamers to cross the sound.

The sales of Norwich and Worcester shares are also numerous, and uniformly lower than those of the Pertinax. Long Island road, though by their statement to the legislature of Massachusetts their condition is far superior to that of the latter work. With an expendi. ture of \$2,170,366 they have an income of \$230,674, netting \$99,464, besides paying \$50,798 interest on nearly seven per cent., yet only three per cent. were divided, and on 1st of March the stock sold for 71. of Pennsylvania would be greatly increased. With a less favorable statement the stock of the Western railroad has risen to par, and, unless they fear the loss of the New York travel, we are as much puzzled to account for the low price of this stock as for the high price of the stock of the Long Island railroad. At the same time, it is possible that the prices give their true relative values. The cost of running both these roads is given much below that in Massachusetts, per track per mile, about \$1,500, and we know of no reason for crediting the directors and engineers of either with skill, character or acquirements superior to those of the best works in that State. Allowing \$100,000 per annum for expenses. there would still remain \$130,000 for dividends, just 6 per cent. for the year 1844. If the reports of these companies are entitled to any confidence we can only say to speculators "de gustibus," etc.

We tender our thanks to P. P. F. Degrand, Esq., of Boston, for the reports of the Massachusetts railways, from which we have completed our table for 1814. We shall of course give such extracts as may be important, and may perhaps draw from them some views of interest to our readers.

The remarks in Herapath's article, in another page, will be found amusing. They can find out little about new projects; we are kept in the dark as to the actual state of the old ones.

We had expected to give our readers some account of Coleman's mode of ascending inclined dy divinity, "four by forty, with slopes two to one," be constructed, will not be unmindful that the Empire planes by locomotives, with the opinions of the numerous scientific gentlemen who have examined it, but shall expect it next week.

We owe a heavy debt of gratitude to the press generally for the very flattering manner in which During the last month more than 25,000 shares they have been pleased to notice our labors, and for condition of affairs in this State. We are sorry that while engaged in earnest and frequently able discus-

> Sir John Rennie has been appointed president of the institution of civil engineers, in place of Jas. Walker, Esq., resigned. Herapath has a savage attack on Mr. Walker, who, we should suppose, did not neglect the admonition of his countryman, Sir

> "The State canals of Pennsylvania will be opened on the 10th of March, at which time also, the water will be let into the Tide Water canal."—Phila. Inq.

Were the Williamsport and Elmira railroad completed, the southern counties would receive their supdebts and loans-in fact clearing \$150,000, very ply of spring goods five or six weeks earlier than by the Erie canal, and the income of the State works

1	VESTERN RAIL	ROAL	Rec	ceipts for t	he week er	nd-
ing	February 22:			1845.	1844.	
-	Passengers,	-	-	\$5,652	\$3,906	
	Freight, etc.,		-	7,026	5,522	
	Total,			\$12,678	\$9,428	

MINERILL AND SCHUYLKILL HAVEN RAILROAD. The following is the amount of coal transported over this road, for the week ending on Wednesday eve-6.196.02

28 622-03 Per last report, 34,818.05 THE COAL TRADE .- Sent by railroad up to Thurs-

day evening last.—Miners' Journa'.
Schuylkill Haven, 6.677.01 Pottsville, 1,899.06 8,576.07 Per last report, 42,338-22 50.914.29

In the legislature of New York they are actually discussing the propriety of restricting the Mohawk and Hudson and Troy roads from carrying freight during the summer! The next step will be to include the N. York and Erie, Harlem and Long Island railways, and the "system" may be completed by preventing all the railways in the State from carrying passengers during the season of navigation.

We affect to pity the Hindoo who worships the magnificent Ganges, but, when we see men of some education, and not withoultpretensions to respectability publicly prostrating themselves before this mudwe are overwhelmed with disgust and mortification.

From all we hear, the "Loper" is likely to supercede the "Ericsson" or "Emerson" propeller STATE WORKS OF NEW YORK.

The income and expenses of the canals for 1844 will be found in our table of State works. We have also given the original cost, without troller gives the following summary view:

"The annual interest on \$30,461,303 84, the cost of all the State canals, and the enwhich is the average interest on the present State debt, is - - \$1,675,371 71

The nett revenue from all the State canals for the year ending 30th Sept., 1844, after deducting the cost of collection of tolls and of the

maintenance of the canals, is 1,803,768 51

Excess of revenue over 51 per cent. on the cost of canals, \$128,396 80

of the State pays interest on the cost of the canals of about six per cent. per annum. This favorable result is produced mainly by the revenue of the Erie canal, which yields \$2,154,234 79, while all the other canals produce only \$243,990 81.

"The preceding estimate does not include the ascertained loss to the treasury of \$3,515,-700, on account of loans of State stock to railroad corporations. If this sum be added to the cost of our system of internal improve- the amount allowed for breaches of contract sanguine as to rely on pecuniary aid from the ment, it shows a total outlay of \$33,977, under the suspension law of 1842. The color of this character are as follows:

vent railroads, is \$191,986 50."

The total debt, "direct and contingent," is \$28,068,413 26. Of the "contingent liabilities," \$1,650,000 may be pronounced safe, which, together with the "Astor stock," etc., arrearages before given, \$2,550,595 59, and rence canal. Whether the British governbeing deducted, leaves the present actual debt the sum paid for land damages, about \$450,- ment will guarantee another loan, is at least on account of public works, \$24,289,605 58. 000, it shows a total of \$3,362,409 18 paid doubtful, but we think that the British Ame-Of this sum, \$315,700 were loaned to the on the public works since the passage of the rican land company will subscribe liberally Ithaca and Owego railroad company, \$200, suspension law of 1842." 000 to the Catskill, and \$3,000,000 to the Erie company, in all \$3,515,700 leaving the comptroller; without such a "corps of engicanal debt \$20,713,903. (The debt includes neers," he and his firiends could never have in the vicinity of the different routes, and, is perhaps safe). The canals yield on their Erie, and the construction of the Genesee, vantages of their favorite lines, they still more present actual debt about 81 per cent. Be-Black river and Chenango canals, on which strongly urge the construction of the work sides paying interest on the canal debt and \$20,332,819 have been expended, exclusive on some line. The newspapers also are filled on loans to "insolvent railroads," at the rate of interest; which, in fact, forms the present with accounts of spirited meetings, and useof 51 per cent., the canals yielded a surplus canal debt. Without such a "corps of engi-ful and, in some cases, well drawn up statisof \$275,854 in 1844, but, as \$300,000 of the neers," their vain and imbecile, yet rash op-tics. An extract from a communication, not revenue of the canals is appropriated by law ponents, and successors would never have intended for the public eye, will convey a to aid in defraying the ordinary expenses of adopted, and prosecuted to extremities, the good idea of the feeling with which this unjust. The comptroller says,

there was an unliquidated debt against the had given satisfaction for many years, but public works of more than three millions of public opinion having changed, the comptroldollars, which has since been paid, and now ler and his friends have of course followed, forms a portion of the stock debt. This shows that these works were carried forward and, because economy is popular, are now as the deficiencies, as heretofore. The comp- in a manner so loose and improvident, that, much in favor of retrenchment as they were, a hundred and forty thousand dollars per year, possible expenditures. It is the comptroller it could not be ascertained during the session largement of the Erie canal, at 51 per cent., of 1842 within a million and a half of dollars of the sum due contractors and others. although two separate calls were made, with of government engineering," and another lesthis object solely in view.

"The second call before referred to (Ass.

April, 1842.

"The following statement shows in the first column the estimate given in that report of the amount unpaid for work done at that time; and in the second column is given the sums actually paid for arrearages to contrac-"This shows that the entire canal system tors and others, to the close of the last fiscal year, viz:

Chemung canal 102,267 00 Black river canal. . 195,225 33 Genesee valley canal.... 213,712 00 Chenango canal 10,415 32

\$802,207 00 \$2,550,595 59

" These sums are wholly unconnected with

623 32 Black river. Genesee valley, 152.836 74

3,944 66 Oneida river improvement, \$361,813 59

"If this sum be added to the amount of

This is very ungenerous on the part of the have subscribed £20,000 to any route. \$70,000 loaned to the Tioga company, which foisted on the people the enlargement of the though strongly advocating the peculiar adgovernment, and as considerable sums of the crude, useless and extravagant projects, in- great project is viewed. capital are becoming payable, it is clear that troduced, authorized and commenced by those taxation on the whole State, or an increased now in authority in this State. These engi- the talk here, and we are acting as well as charge to those who benefit by the canals neers had been trained to obey the orders, talking; we do not intend to listen to any must be resorted to, in order to meet the lia- and even to consult the wishes of the com- doubts about it. The road we must and will bilities of the State. The former course was missioners, and one of the principal ones was have. The survey is already commenced in preferred, and we have already given our complimented by Col. Young for his remark- good earnest; the surveyor is now here, hareasons for pronouncing it both impolitic and ably "close shooting" in an estimate; for the ving commenced at Concord, and is taking a Chenango canal, we believe. These gentle-general view through, and will proceed with "At the time the suspension law passed men continued to pursue the course which all possible expedition.

with a corps of engineers costing the State a few years since, anxious to incur the greatest who has changed, not the engineers.

We have here some more of the "beauties son to the people to retire as quickly as possible from the construction of public works, doc. No. 173,) was answered on the 8th of leaving all such matters to private enterprize which alone possesses the means, skill and integrity indispensable to success.

ST. LAWRENCE AND ATLANTIC RAILROAD.

This is the imposing name of the contemplated railway between Montreal and the Atlantic at Boston or Portland. We have, from Estimate of Am't actually paid arrearages. for arrearages.

Eric canal enlargement. \$370,036 00 \$1,576,772 84 the present time, kept our readers aware of the various efforts made to insure the con-574,452 96 struction of this work at an early period. It is generally believed, that a favorable charter will be obtained from the Canadian parliament, now in session, and some are even so The al- province. Of the probability of this we know nothing; but reasoning from experiencetreasury on account of these loans to insol- On the Erie canal enlargement, \$204,858 87 not only there, but in the great States of New York, Pennsylvania and Ohio-we see little prospect of anything more than nominal aid from the colonial treasury, already supposed inadequate to the completion of the St. Lawto a route which suits their interests. They

We have numerous letters from gentlemen

"And now about our railroad, which is all

bridge on miles from very favo gineer thi built for & cord to S route ther this place part of th more exp it follows 6 miles. over goo been surv hill, 30 n in the wa last part be 40 fee cord here rest of the referred t by those being the which h The rout Vermont and foun stacle, th probably Hampsh

> point at Montrea their bus to which Portland argumer Montrea thing. the Briti and if th

"I do

But mor These striking Portland urged, th dred mil in an en said that via Port

ducemen

that way

line in Boston i lantic ste again, tl uniting da, for w very nea

river.

more expensive than the other. From this rican port. it follows the river to the outlet of the lake. Vermont, has been surveyed for a railroad, structed by private enterprize. Hampshire.

But more anon."

Boston in its wealth, business, railways, Atlantic steamers, etc., are known to all. Then again, there is the line up the Connecticut, commences the new year: uniting Boston and New Haven with Cana-

bridge on the Winnisepisiogee river, about 3½ bly certain; it will join the Western railroad at Springfield, and will bring in New York respect to ability, however, we do not wish to very favorable ground for a road. The engineer thinks this part of the route may be vel of the north, by means of the New York premises, but wish them to judge by what we built for \$12,000 per mile, distance from Con- and New Haven railroad. In the summer, do. cord to Sanbomton bridge 17 miles. The she has in addition the present route via the

by those best acquainted with the road, of its wearied exertions-not only disinterested, but establishment, in May, 1835. being the most favorable of any of its length made at great personal sacrifice-of an Ame-The route from Haverhill to Derby line, in sole specimen of a canal or railway con- it has been a difficult matter indeed, to keep

very nearly together towards he head of that what fashionable with our brother editors, inquiry was most required, there in general river. The construction of a line up the perhaps it would not be amiss to remark that appeared the greatest disinclination to admit

mences at Concord, thence to Sanbomton valley of the Connecticut we consider tolera- it is our intention to spare no exertion, nor to

"It is now bordering on ten years since route then follows up the Winnisepisiogee to Hudson and lake Champlain. Among them this Journal was established, the first (by a this place, 10 miles. No difficulty in this all, Montreal stands a good chance of being priority of about two years) of any of this class of periodicals in existence, devoted to the part of the route, it will probably be a little accommodated with a railroad to some Amesubject of railways. We do not wish for a moment to make a boast of age, but surely, The most remarkable and gratifying fea- if there be any merit in long tried services, 6 miles. Thence to Plymouth, 16 miles, ture in these proceedings, is the spirit which that at least is due to us. As a rumor has over good ground; a portion of which has been surveyed for a canal. Thence to Haver-Lower Canada itself. It is only a few months to the effect that a party, whose name is hill, 30 miles, without any serious obstacles since it was first spoken of, and it has already known to the public as a partizan of particuin the way. For two or three miles on the created a greater sensation in Canada than lar railways, is connected with this Journal, last part of the route it is said the grade will all their public works put together during the it may be as well to mention, that the rumor be 40 feet to the mile. The rise from Con-last ten years. We flatter ourselves that the is about as well founded, as that which somecord here, 27 miles, is about 230 feet. The spirit of private enterprise is awakened—it time ago gave out that the steeple of St. Paul's was toppling over; the Journal is now, and rest of the route, except the two or three miles would perhaps be more correct to say is crereferred to, is less. No do bt is entertained ated, for the province is indebted to the un-which conducted it within a few months of its

"The past year has been so prolific in which has been built in the United States. rican gentleman, long resident there, for its bringing forth schemes for new railways, that pace with them. And when it is considered that the brains of a host of projectors have and found to present no insurmountable ob- The situation of things there bears a strong been actively at work, to produce as many stacle, though portions of this part of it will resemblance to our present condition in New schemes as their heated imaginations could probably be more expensive than any in New York. We have the government and the well depict, it may be readily understood that canals against the general interest-more es- to individual capacity, the task of follow-"I do not believe that Portland is the pecially the agricultural—in the extension of lective labor was a pretty difficult and all abpoint at which to start from the seaboard for railways, and the right to use those we have. sorbing one. In fact, it was found to be next Montreal. The people at Montreal have This last feature is not yet introduced into to an impossibility, to obtain anything like a their business in Boston, and that is the place Canada, though by offering a quicker, cheaper correct knowledge of a great number of them, to which they wish to go; and if they go to and uninterrupted communication between without a personal inspection, the prospec-Portland they then must go to Boston. The Montreal and the ocean, the St. Lawrence ments, and in several of those pretty little argument that Portland is a little nearer and Atlantic railroad will necessarily injure painted pictures, called railway maps, errors Montreal than Boston is, will amount to no the shipping interest at that port. For, with being discovered of a serious delusive charthing. There is no probability, I think, that a drawback on goods sent to Canada, freights acter. It was, therefore, thought desirable, the British steamers will come into Portland, from Liverpool to Montreal will be less via and if this does not take place, there is no in- Portland and the railway than via the gulf as in his power lay, the duty of instituting a ducement to go to Portland, and the route of St Lawrence. Again, allow a drawback, that way to Boston will be greater than this.

But more apon?"

Portland and the railway than via the gulf personal inquiry into the sounders and prospects of the new undertakings, as much with the view of satisfying ourselves, as for the plies via New York, where the present Mon-immediate information of the public. This These are two great rival routes, the one treal importers will at once establish houses. duty has been in part accomplished, and as striking the Atlantic at Boston, the other at British shipping will then lose its freights to far as the inquiry has gone, we have every Portland. In favor of the latter port, it is urged, that the road will be about one hundred miles charter and the state of the upper province, coarse bulky article which we represent—are so too. The indred miles shorter, and that it is a better route cles perhaps excepted. The annexation of quiry has been attended with considerable exin an engineering point of view. It is even Canada by congress is a thing to be talked pense, but we have not hesitated to make pesaid that it will be thirty miles less to Boston of and laughed at, but annexation by means cuniary sacrifice, for an object of so much via Portland, than via Concord, the favorite of the St. Lawrence and Atlantic railroad, is importance to our readers, as correct inforline in Boston. The great advantages of to be seriously considered and—accomplished.

Boston in its wealth, business railways At The editor of Herapath's Journal thus be great, but we did not at the they were of the formidable character they be great, but we did not at all imagine that have turned out to be; these difficulties, how-"We think we need scarcely preface the ever, have consisted not so much in discrimida, for we understand that all three lines come However, as the system appears to be some as in obtaining fair access to the facts. Where new year with any introductory remarks nating when fair investigation was allowed,

officer coming suddenly down upon a parcel of the million of bushels of wheat carried value of which, we much fear, they will file of illicit traders could not have been received in a more unwelcome spirit than was Mr. Herapath, by a few of the parties who figured as the promoters of new railways. Where matters have been honestly conducted there should be nothing to conceal. Of the few Had we known this earlier, it would have who have withheld the necessary information time will show, and that quickly, whether they have done so without an object; and whether the information respecting them, of necessity indirectly ascertained, is unfounded. Although the rare incidents of this nature which have occurred are unpleasant, we think it will be discovered they are not of less value to the railway public than those of a more agreeable kind; nay, perhaps more so. Out as to the St. Lawrence canal there is no hope. of so many schemes, two hundred and fiftynine (see "Journal" for Dec. 14th, p. 1,503.) it may be of more importance to learn which among them are faulty, than what are the merits and features of those that are sound, the St. Lawrence canals to lake Ontario, is However, whichever way the balance be, Mr. Herapath has labored in both, and on will be supplied from New York from six the whole, we cannot but express our gratification of the results obtained.

"Mr, Herapath will, should nothing of an unforseen nature intervene to prevent him, proceed in the course of a few weeks to Duband further investigate the atmospheric system.

"Stirring and many important events in the railway world have marked the past year; we hope shortly to be enabled to give some

review of them.

"This, the first month of the new year, we expect will be crowded with meetings, relieve, in some measure, the business of those which usually take place at a later period, in February and March, when parliament will have met. We hope to be fully preto supply our subscribers with the first and best of information.

" With these few observations we bid adieu to the old year, and greet the new, with energies prepared to meet the abundance of labor to point out the vast advantages of the conwe know it will unfold."

ATLANTIC AND ST. LAWRENCE RAILROAD.

Mr. John Neal, in one of his interesting letters on the Montreal railroad, has confounded the "duty" with the "toll" on wheat. American wheat going to England, via the St. Lawrence, pays a duty of three shillings sterling per quarter to the province; it is then tably failed in our main object; and we conadmitted into England on paying the almost fess that, after our numerous articles and nonominal duty of one shilling; so that the to- tices of the Montreal railroad during the last tal duty on American wheat via the St. Law- three or four months, we did not expect to be rence is only four shillings per quarter, or very ingeniously quoted as adverse to any twelve cents per bushel, of which nine cents route not in this State. We repeat that, by go into the provincial, and three cents into the promising everything, the Portland project imperial treasury. (The duty on potatoes will be seriously injured, and that if he unimported into this country, is ten cents per undertake to connect its success in any way bushel; and on wheat twenty five cents per with the success of the St. Lawrence canal, bushel; still vast quantities of the former are he will sink it in the estimation of all those who valuable spring trade, and facility of naviging imported from England, France and the neighboring provinces!) Mr. Neal has pointBesides this, however, we gave the Portland speaking, goods would reach Chicago and the speaking that the speaking the speaking that the speaking that

into Boston annually. By Boston we meant ly appreciate when too late. New England, but even here we were wrong, for a friend informs us that the total consumption of New England is only 800,000 barrels. modified our remarks in the last Journal on the smallness of the flour trade to Boston via the Western railroad.

Our ideas on the subject of the public works of Canada are well known to our readers. We believe it will be some time before even the Welland will pay interest and expenses: How Mr. Neal expects to rival the route, via the Hudson and Oswego to Upper Canada, by the railroad to Montreal and thence by past our comprehension. All Upper Canada to eight weeks earlier than the opening of the St. Lawrence between Kingston and Montreal. In saying this we merely wish to point out to Mr. Neal, that he is injuring lin, to make experiments on the Dalkey line his cause by overrating its advantages, than which, nothing is more dangerous to a new project. The great advantage of the Portland route is that it is the shortest; this is an advantage of the utmost importance, and if the difference actually be 100 miles, as has been stated, then will it be hard indeed for preparatory to the next session, as well as to Boston to compete with that route for the trade of Montreal. We would also inform Mr. Neal that such assertions as "it is admitted by the Railroad Journal, of New York," etc. pared with arrangements that will enable us will do us no harm and his cause no good All those who have given attention to these subjects for any length of time, know that the Journal was the first-not to admit-but templated Great Western railroad, and we will cheerfully accept any better statement of the benefits to be conferred on the western trade by the Welland canal than is to be found in our Journal some years back. If this be the New York, and not the American Railroad Journal, then have we most lamen-

it in the manner requested. A custom house ed out an error in the Journal in speaking committee some very important advice, the

GREAT WESTERN RAILWAY OF CANADA. We find in a late number of the Oswego Palladium an account of a meeting at Gode rich-near the outlet of lake Huron, we be lieve-to again draw public attention to this great project. The peculiar advantages of railroad connecting lakes Erie and Huron, or St. Clair formed the subject of a paper in this Journal a few years ago. Since that time, however, the board of works has been established, and, acting in conformity with the fixed usage here among similar bodies, has commenced a course of similar engineering; that is, they in every way discourage all at tempts at private enterprize, and spend the money of the public on some job of their own, or on undertakings which their ignorance of the trade and resources of the country, as well as of the principles of engineering necessarily turn into failures. Now, when the money of the province is pretty nearly gone, we find the people of Canada east and west suddenly seized with the railway fever in the very depth of winter. We are glad to see this, even at this late hour, because it will ultimately lead to the true course to success.

It has always appeared strange to us, that the government, or some leading men in the province, did not, and indeed do not now, bring this project to the attention of British capitalists. It is entirely free from all the objections to being in any way dependent on the good faith of government, or on legislation, beyond the mere charter: it must command at once and forever, an immense business, for its natural advantages render competition impracticable. The magnitude of the undertaking also is not such as to present insuperable difficulties, though the amount required would still be large; perhaps not less than the estmated cost of the Welland canal, about four millions of dollars for a continuous line from Hamilton to Detroit. The meeting referred to of course look to a termination on lake Huron, and a branch from some convenient point-perhaps London-would not only at commodate the business of the country, but also a large number of passengers for the north-west, and a great amount of freight in both directions. Indeed we are not sure that flour cannot be delivered at Oswego of Kingston from lake Huron via Goderich and Hamilton, quite as cheaply as via the St. Clair river and lake, the Detroit river, lake En and the Welland canal. As regards time, the

roduce t he openin antages (he great ine to De nearly and, as w the best p large Car he vast in rican "th will conti route to th NE

In anot

of a meet York and cessary to the whole xcite. I also the ania in the comp their raily is very ge appears 1 ent. W Mr. Bake sioners, n very little heir duty to the res which the Baker's v way all y the Sta which ne nercy of old energ amentabl appear orning 1 he views veral su putable roduction Miners' J. n our las n the pet re of Pe arrants ust deter not w hese m ome, but ot merely pad of od route to the west.

NEW YORK AND ERIE RAILROAD.

In another page will be found an account of a meeting at Buffalo, at which the New excite. In the Carbondale Mirror we notice vania in favor of their legislature granting holders of the two corporations. the company permission to locate parts of The total amount of the capital stock their railway in that State. Its importance is very generally admitted here, though there appears little desire to subscribe to any extent. We regret, however, to observe, that Mr. Baker, in his report to the canal commissioners, makes some statements which say very little for the regard of the company for heir duty to the State, to the shareholders, or to the responsible and respectable position in which they are placed. According to Mr. Baker's view of the case, they are throwing way all the advantages conferred on them by the State, by neglecting certain provisions, which neglect places them entirely at the mercy of the legislature, besides giving twoold energy to their numerous enemies. It is amentable also to see such communications is appeared lately in one of the principal morning papers, obviously by authority, for he views there presented are followed up in everal subsequent editorial articles, in more eputable style, of course. This unfortunate production contains a violent attack on the Miners' Journal, for the article given at length n our last from that well conducted paper, on the petition of the company to the legislaure of Pennsylvania. Whether that article varrants anything of the sort, our readers nust determine for themselves; also, whether r not we answered it in the right spirit. hese may appear trivial circumstances to ome, but it becomes a company, which has ot merely a character to establish, but a large pad of odium to work off, to be careful in ally of those whose established character as follows:

roduce thence would reach Oswego before and superior ability renders their-the comne opening of the Erie or Welland canals. pany's-supposed invective and sarcasm ut These are, it appears to us, the leading ad-terly harmless. The report of 1841 conantages of a railway to lake Huron, but for tained some passages very similar to many the great American thoroughfare, the shortest in the article above alluded to. A careful ine to Detroit is the only one. It will make perusal-indeed a study of the reports of the nearly direct line from Boston to Chicago, Western and Worcester railroad corporations and as we understand that it goes through engaged in an actual controversy, would be he best part of the Province, it will have a of service; an adoption of the calm and diglarge Canadian way business, in addition to nified style of the report of Messrs. Allen the vast income it must derive from the Ame- and Brown would aid the efforts of the comrican "through travel" which awaits, and pany with the legislature and with the eduwill continue to await the opening of the best cated classes of the community, on whom they, after all, must depend.

> TENTH ANNUAL REPORT OF THE BOSTON AND Lowell railroad, drawn by their locomotives. MAINE RAILROAD.

Since the last annual report, the Boston York and Erie railroad was spoken of as ne- and Maine railroad, and the Maine, New cessary to secure a good route to this city by Hampshire and Massachusetts railroad corthe wholesome competition which it would poration have been united by the acceptance of the various acts passed for that purpose by the legislatures of Maine, Massachusetts and also the petition of inhabitants of Pennsyl- New Hampshire, on the part of the stock-

now united with

of the Boston and Maine railroad paid in on Nov. 30, 1844, including the capital stock of the Maine, New Hampshire and Massachusetts rail-

the Boston and Maine railroad\$ Of this sum there has been received	1,240,441	76
during the year ending Nov. 30th,	102,929	00
1844 Received from sale of land	60	
Amount refunded to the corporation,		
under the contract for rails	1,641	
Total	\$104,630	16
Amount expended for the construction of the road in Massachusetts	505,907	76
Amount expended for the construction of the road in New Hampshire	798,616	74
Amount expended for the construction of the road in Maine	65,182	12
Cost of engines and cars	115,754	
Total	1,485,460	
Of these amounts there has been ex- pended in Massachusetts during the	-,,	
past year	7,253	98
New Hampshire	12,107	
Do. do. do. Maine	1,528	
Expended for new engines and cars	16,867	
Total	37,757	89
The other expenditures of the	corporati	on
during the year ending November		
Repairs of road in New Hampshire.	. 4,948	
" Massachusetts	. 4,951	
engines and cars		54
Fuel, oil, salaries and miscellaneous expenses.		39
Amount paid to the Boston and Lowell railroad company 39,911 3	6	
Amount paid to the Portland, Saco and Portsmouth rail-		
road company 13,055 5	15	
Amount paid to the Concord railroad company 262 4	17-53 229	38
Balance of interest	9,414	45
State tax and other taxes		
	. 137,036	14
The income of the corporation		

rovoking the hostility of any-more espe-year ending November 30, 1844, has been her good speed, we should give credit to all

-	For transportation of passengers	154,944	54
	Miscellaneous receipts	7,486	36
	Total	233,101	04
I	A dividend of three and a half dollars	39,708	00
,	per share has been declared, payable	46,693	50
0	during the same period of time,	e railro	ve ad
-	lows: Passenger trains Merchandize trains	132,3	00
	In addition to the above the tra corporation have run over the B	ins of the	96 nis nd
n	Lowell railroad drawn by their lo	aamatim	-

as follows: Merchandize trains...... 9,420 miles.

The passenger trains of this corporation have run over the Portland, Saco and Portsmouth railroad, in connection with the trains of that com-

STEAM BOAT LOPER.

This little steamer, destined for the trade of the Dismal Swamp canal, in North Carolina, made an experimental trip yesterday, previous to her final departure for the scene of her usefulness. That this experimental trip was in the highest degree satisfactory to both her owners and constructors, the following record of her performance will suffice.

The "Loper" left the navy yard shears at 13 minutes before 1 o'clock, and was abreast of fort Mifflin, a distance of eight miles, by government survey, at 7 minutes before 2 P. M.; and this too against a heavy head wind and the flood tide.

After rounding to, and passing abreast of the fort at 1½ minutes of 2 P. M., she arrived at the shears at 20 minutes before 3 o'clock.

Taking into consideration that this was but an experimental trip, with new machinery, propellers, etc., we cannot but assert that in every respect it is a great performance; one. too, calculated to reflect credit upon all concerned. To say that sixteen miles were accomplished by an ordinary propeller canal boat, with and against a Delaware flood tide, in 106 minutes, is no mean praise. Need we say more than that the machinery, hull, etc., are from Merrick and Towne, and that her propellers are those of Captain Loper, to account for the successful result of the trial of the boat to which we allude.

This result adds another to the many proofs previously recorded, that the Loper propeller will of necessity make its way among those requiring the means of propelling boats for transportation on rivers and canals.

The engine of the boat to which we allude is of the manufacture of Messrs. Merrick and Towne, of Southwark. Their name alone is a tower of strength, to those who would have work of the kind. We would not thus The income of the corporation during the have spoken of this boat, but that in bidding concerned in her construction .- U. S. Gaz.

GINE BOILER, IN AMERICA.

Dr. Lardner's Report on the cause of the Explosion, with Remarks, by Charles Hood, Esq., F.R.S., F.R.A.S., &c.

The account of an explosion of a locomotive engine while wo king on a railway in Pennsylreport by Dr. Lardner on the cause of the accident. to be the case .- Herapath's Journal. The results are in several particulars extremely similar to those of the late accident on the Dover Railway, though the cause appears to be dissim-

ilar in the two cases. Dr. Lardner investigated all the circumstances attending the supply of water, the perfect ac-tion of the safety valves, and other circumstances started again at 10, with a great number of pas-the Lake country." tion of the safety valves, and other circumstances likely to be instrumental in producing the accident; but he found sufficient evidence of the perfect action of the engine in every particular. After a lengthened inquiry into all the causes which could produce the result, he arrived at the conclusion that the lightning flash had suddenly heated the boiler to a high temperature, and that steam of immense elasticity was instantaneously generated, which had thus burst the boiler and produced the effects described.

This conclusion of Dr. Lardner's does not appear to me to be warranted by the facts; and I shall offer a few observations on the subject.

Adam Smith has quaintly described a philosopher to be a man whose business is to do nothing and to speculate on every thing. Nevertheless these speculations are extremely useful, except when they tend to satisfy inquiries by false reasoning. They then retard the progress of science by diverting the mind from the real track of discovery by substituting ingenious reasoning for practical deductions. Of this character appears to be the explanation so often given of the explosion of steam boilers, ascribing it to the sudden generation of steam of immense elasticity by overheated metallic surfaces. No facts have ever proved the correctness of this theory; and many cogent reasons can be adduced a-gainst it. In the present case, however, the facts appear directly opposed to this explanation; while a very sufficient explanation can be otherwise given.

The mechanical force of the lightning was sufficient after it had spent its fury on the ening parts of the engine were bent and broken in every direction; while the holes in the fire box, with the edges turned inwards, clearly shew the place where the lightning entered. That the lightning rent the crown of the fire box from the sides, is the obvious conclusion; and if this were done, the reaction of the steam of the ordinary elasticity used in locomotive boilers would act like a rocket, and be quite sufficient to carry away the boiler in the manner described, as the result of many boiler explosions has already proved. Dr. Lardner grounds his opinion upon the clear evidence of the action of steam, in the effect produced; but we do not require the presence of steam of greater density than that of ordinary locomotive engines, provided the rent made in the fire-box were sufficiently large to produce all the effects which are described. The absence of all appearance of the metal being overheated, which Dr. Lardner has described, is also against the theory he has pro-pounded; while the mechanical disruption of the fire-box, by the passage of the lightning from the outer to the inner case, is what might be expected to arise from the peculiar construction of that part in so violent a shock as occurred in the present instance. The additional vent given to the steam through the three large holes

is also an additional reason against the supposi- for the second time, at 3, having crossed the tion of the rupturebeing caused by preesure of Channel four times in twelve hours, four out steam; while it is also probable that had the which were rupture of the fire-box been produced by this Boulogne. pressure of steam instead of by the mechanical action of the lightning, the rupture would have taken place immediately at the part weakened by the three large holes already described, instead vania, has lately been published, together with a of at the crown of the fire-box as was found

> THE IRON STEAMER, " Princess Maude," took the copy of the speech of the King of the French, on opening the French Chambers, a- Baltimore Railroad, the road to the Lake cross, and was back again at Boulogne by 7, would be an object of trade requiring a rapid and having made two voyages in four hours. She

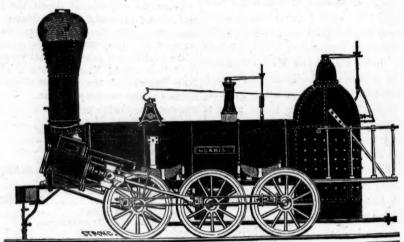
EXPLOSION OF A LOCOMOTIVE EN made by the lightning in the sides of the fire-box sengers, for Folkestone, and returned to Boulogo which were spent in port at Folkestone

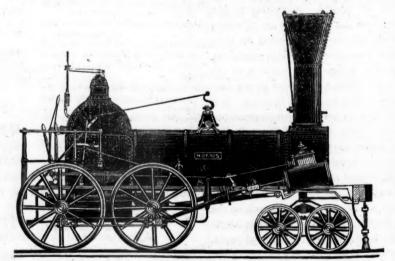
> The Pittsburgh Gazette says that a bill bar passed the lower House of the Ohio Legislature, reviving and amending the Act to incorporate the " Cleveland and Pittsburgh Railroad Com pany," and adds-

> "This is an important move for Pittsburgh as, if we succeed in securing the terminus of the

NORRIS, LOCOMOTIVE WORKS.

BUSH HILL, PHILADELPHIA, Pennsylvania.





ANUFACTURE their Patent 6 Wheel Combined and 8 Wheel Locomotives of the following description VI tions,

Class	1,	15 inc	hes Dia	meter of	Cylinder,	×	20	inches	Stroke.
. 66	2,	14	44	46	46	X	24	44	***
66	3,	144	66	. 66	"	X	20	66	66
"	4,	124	- 66	. 44	"		20		44
- 44	5,	111	"	. "	. 66		20		66
**	6,	101	22		"	X	18		"

With Wheels of any dimensions, with their Patent Arrangement for Variable Expressions. Castings of all kinds made to order: and they call attention to their Chilled Wheels for the Trucks of Locomotives, Tenders and Cars.

NORRIS, BROTHERS.

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New News Eliza Rahv

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KITE'S PATENT SAFETY BEAM.

Safety

Safety

PLAN

ELEVATION

MESSRS. EDITORS.— As your Journal is devoted to the benefit of the public in general I feel desirous to communicate to you for publication the following circumstance of no inconsiderable importance, which occurred some few days since on the Philadel-phia, Wilmington and Baltimore railroad.

On the passage of the evening train of cars from Philadelphia to this city, an axle of our large 8 wheeled passenger car was bro-ken, but from the particular plan of the con-struction, the accident was entirely unknown to any of the passen-gers, or, in fact, to the conductor himself, until the train, (as was supposed from some circumstances attend-ing the case,) had pass-ed several miles in advance of the place where the accident occurred, whereas had the car been constructed on the common plan the same kind of acci-

dent would unavoidably have much injured it, perhaps thrown the whole train off the track, and seriously injured, if not killed many of the passengers.

Wilmington, Del., Sept. 28, 1840.

The undersigned takes pleasure in attesting of the value of Mr. Joseph S. Kite's invention of the Safety Beam Axle and Hub for railroad cars. They have for some time been applied to passenger cars on this road, and experience has tested that they fully accomplish the object intended. Several instances of the fracture of axles have occurred, and in such the cars have uniformly run the whole distance

with entire safety. Had not this invention been used, serious accidents must have occurred.

In short, we consider Mr. Kite's invention as completely successful in securing the safety of property

and lives in railroad travelling, and should be used on all railroads in the country.

JOHN FRAZER, Agent,

GEORGE CRAIG, Superintendant,

W. L. ASHMEAD, Agent.

A model of the above improvement is to be seen at the New Jersey railroad and transportation office, No. 1 Hanover st., N. York.

NEW JERSEY RAILROAD AND TRANSPORTATION COMPANY.

Length of Road, 33 96-100 miles.

John S. Darcy, Esq., President.

J. P. Jackson, Esq., Secretary.

V hee RS. Capital, \$2,000,000.
ROBERT SCHUYLER, Esq., Vice President,
J. WORTHINGTON, Esq., Treasurer.

Leave New York, foot of	DAILY	T	BUNI	DAY.
Courtland street.	A. M.	P. M.	A. M.	P. M.
For Newark	9, 11, 12 9, 11	2, 3, 43-4, 6, 71-2	9	4 3-4
" Rahway	9. 11	3 4 3 4 6		
Leave	9'			
New Brunswick	6, 71-2, 111-2	834	11 1-2	81-2
Enzabethtown	6 3-4, 7, 8 1-4, 12 7, 7 1-2, 8 1-2, 10 1-2, 12	3 1-2 5		
Newark	71-2, 81-4, 9, 11	11-2, 4, 51-2, 7, 93-4	11 3-4	9 3-4

9 A. M. and 3 P. M. to meet the Morris and Essex trains, and 9 A. M. and 43-4 P. M. to meet the Somerville train, and for Philadelphia.

TABLE OF DISTANCES AND FARES.

,	New	York.	Nev	vark.	Elizabe	thtown.	Rah	way.	N. Bru	nswick
	Miles.	Cents.	Miles.	Cents.	Miles.	Cents.	Miles.	Cents.	Miles.	Cents.
New York			91.4	25	14 1.9	21 1 4	10 2 4	21 1 4	21 1 0	50
Newark Elizabethtown	- 4 1-4	200			E 1 0	10 10	20 20	OF.	100 .0	
New Brunswick	31 1-2	50	22 1-2	50	16 3-4	50	11 3-4	37 1-2	11 3-4	3/1-2

R. CASEY, CIVIL ENGINEER, NO. 23
Chambers street, New York, will make surveys, estimates of cost and reports for railways, canals, roads, docks, wharves, dams and bridges of every description, with plans and specifications. He will also act as agent for the sale or purchase of machinery, and of patent rights for improvements relating to public works.

Samuel Nott, civil engineer, surveyed, common Roads, Canal, Factory and Mill Sites Towns, Farms, Wild Land, etc., surveyed. Plans and Estimates for Buildings, Bridges, etc., prepared, and all appertaining business executed.

- REFERENCES.

Boston, Col. James F. Baldwin, Civil Engineer.
Col. J. M. Fessenden, " "
Wm. Parker, Esq., Engineer and Superintendent
Boston and Worcester railroad. ja45

RAILROAD IRON AND FIXTURES. THE Subscribers are ready to execute orders for the above, or to contract therefor, at a fixed price, deli-

vered in the United States.

DAVIS, BROOKS & CO.,
ja45

PRING STEEL FOR LOCOMOTIVES,
Tenders and Cars. The Subscriber is engaged in manufacturing Spring Steel from 14 to 6 inches in width, and of any thickness required: large quantities are yearly furnished for railroad purposes, and wherever used, its quality has been approved of. The establishment being large, can execute orders with great promptitude, at reasonable prices, and the

quality warranted. Address
j JOAN F. WINSLOW, Agent,
5a3 Albany Iron and Nail Works, Troy, N. Y.

Long Island Rail Works, Troy, N. Y.

LONG Island Rail Road Company.

Trains run as follows, commencing Nowmber 1st, 184:

Leave Brooklyn at 8, a. m. (7½ New York Stopping at Farmingdale and St. George's Manor.

Leave Brooklyn at 9; a. m. for Hicksville and intermediate places, daily; and on Tuesdays, Thursdays and Saturdays, through to Greenport and intermediate places.

Leave Brooklyn at 4, p. m. for Hicksville and intermediate places, daily; sundays excepted; and on Saturdays to Sundays excepted.

Station.

Leave Greenport for Brooklyn, Boston Train, at i, p. m. or on the arrival of the steamers, daily, Sundays excepted, stopping at St. George's Manor and Farmingdale.

Leave Greenport at 9\(\frac{1}{2}\), a. m. Accommodation Train, for Brooklyn and intermediate places, on Mondays, Wednesdays, and Fridays.

Leave Hicksville for Brooklyn and intermediate places, daily, Sundays excepted, at 7, a. m. and 1\(\frac{1}{2}\), p. m.

ON SUNDAYS.

Leave Brooklyn for Hicksville and intermediate places, at 9\(\frac{1}{2}\), a. m.

Leave Brooklyn for Hicksville and Hicksville and Hicksville at 4\frac{1}{2}, p. m. for Jamaica.

Leave Hicksville at 2\frac{1}{2}, p. m. for Brooklyn.

Leave Jamaica at 3\frac{1}{2}, p. m. for Brooklyn.

Leave Jamaica at 3\frac{1}{2}, p. m. for Brooklyn.

Leave Jamaica at 34, p. m. for Brooklyn. jal

BOSTON AND PROVIDENCE RAILROAD.

PASSENGER NOTICE.—Winter Arrangement.—To commence Monday, November 4.

Ou and after Monday, Nov. 4, the Passenger Trains will
run as follows:

For New York—Night Line, via Sound Steamers—Leav a
Boston at 4 P. M. on Tuesday and Saturday.

For New York—Morning Line, via Long Island Raitroad—
Leave Boston at 8 A. M. on Monday, Wednesday and Friday.

Boston, Providence, Tuenton, New Bedford and Wow Trains.

Leave Boston at 8 A. M. on Monday, Wednesday and Friday.

Boston, Providence, Tusniton, New Bedford and Way Traina.

Leave Boston at 8 A. M., and 3½ P. M.; and Providence at b.

A. M. and 3½ P. M.

Taunton at 8¼ A. M. and 3½ P. M.

New Bedfort, at 7½ A. M. and 2½ P. M.

Dedham Trains.

Leave Boston at 9 A. M.—3 P. M., 5½ P. M.

Dedham at 7 50 A. M., 10½ A. M., 4½ P. M.

All baggage is at the risk of the owners thereof.

WM RAYMOND LEE, Sup't.

All baggage is at the risk of the owners thereof.

WM RAYMOND LEE, Sup't.

FITCHBURG RAILROAD.

OPEN TO ACTON.

Passenger Trains will run as follows:
Leave Charleslown at 8 A. M. and I and 14 P. M. Leave West Acton at 7:36 and 10:51 A. M., and 5:6 P. M.

Stages, on the arrival of the first Train of Cars at Acton, leave daily (Sundays excepted) for Littleton, Groton, Townsond, Lunenburg, Fitchburg, Ashburnham, Winchedon, Westminster, South Gardner, Templeton, Fhillipaton, Athol, Mass; Fitzwilliam, Troy, Swansey, Keene, Walpole, Charlestown, N. H.; Chester, Windsor, Woodstock, Rutland, Middlebury, Royalton, Montpelier, and Burlington, Vt.
For further information, apply to THOMAS A. STA-PLES, No. 36 Hanover st., or L. BIGELOW, No. 11 Elm st., Boston. Passengers leaving their names at the above offices, will be supplied with Railroad and Stage tickels, and conveyed to the Fitchburg Railroad Depth, free of charge.
Coaches will be at the Depth in Charlestown, on the arrival of the Cars, to convey passengers to any part of the city.

TRAVELLERS' RAILROAD DIRECTORY.

TRAINS LEAVE	FOR	BY RAILROAD	DAYS,	A. M.	P. M.	MILES.	FAR
oston	Portland	Eastern,	Daily,	71,	21,	106	\$3 00
	Portsmouth		"	71,	21, 41,	54	2 0
	Newburyport	"		71,	21, 41,	35	1 2
	Salem		"	74, 9, 111,	21, 31, 41, 6,	14	5
	Portland	Boston and Maine,	******	74	21,	109	3 0
ortland	Boston	"	41	71,		109	3 0
oston	Lowell	Boston and Lowell,		7, 11,	2, 5,	26	7
owell		" "		71, 11,	$2, 4\frac{1}{2}, 5\frac{1}{2}, \ldots$	26	7
oston	Concord		"		34	76	2 0
oncord	Boston,		"		31,	76	2 0
oston	Nashua			7, 11,		41	
ashua	Boston			$6\frac{1}{2},\ldots$		41	
oston	Worcester	Boston and Worcester,	"	7, 9,	21,	44	1 2
orcester	Boston			7, 10,	6,	44	1 2
	"		Sundays,			****	
oston	Worcester						
ston	New York via Norwich	" "	Mon., Wed. & Fri.,		4,		
	" " L. Island railroad	" "	Tues., Thur. & Sat.,	7,		*****	1
46	" New Haven			9,	21,		
#	Albany	Western,	****** ** ******	9,	21,	200	6 0
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ston	New York, via Sound steamboat	Boston and Providence,	Tues., Thur. & Sat.,		4,	*****	
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ooklyn	Hicksville & intermediate places	"		91,		26	1
	Greenport " "		Tues., Thur. & Sat.,	94,		95	2 5
	Hicksville, (Saturd'y to Suffolk)	"	Daily,		4,	26	
enport	Brooklyn, (Boston train)	"	"		1,	95	2 9
	" (accommodation do.).	"	Mon., Wed. & Fri.,			95	2 9
cksville	" & intermediate places.	"	Daily,	7,	14,	26	1
w York	Albany & Boston via N. Haven	Steamer,	"	61,			5 (
	Middletown	New York and Erie,	#	8, 3,		53	
iddletown	New York	" "		64	31,	53	
iladelphia	Pottsville	Reading,	"	9,		94	3 :
ttsville	Philadelphia		44	9		94	3 !
w York	Newark)	N. J. railroad and trans. co.,		9. 11. 12	2, 3, 41, 6, 71	91	1
wark		[9 A. M. and 3 P. M., con-	46	74. 84. 9. 11	11, 4, 51, 7, 91,	94	1
	")	nect with Morris Railroad.	Sundays,	9,	41	94	1
w York		[9 A. M. and 4 P. M., trains,	"	113	91,	91	1
	Elizabethtown	connect with Somerville Rail-	Daily.	19. 11	2. 34. 44. 6	141	1 :
izabethtown	New York	road.]		7, 74, 84, 104, 12,	31. 5	141	
w York	Rahway			9, 11,	3, 41, 6,	194	1 3
hway	New York		44	$ 64, 7, 84, 12, \ldots $	41, 91,	194	-
w York	New Brunswick		"	9	3, 41,	311	
w Brunswick	New York	"	46	$6, 7\frac{1}{2}, 11\frac{1}{2}, \ldots$	81	311	
"		" "	Sundays,	111,		311	1
w York	New Brunswick	" "	(6	9,	41,	311	
iladelphia	New York	Camden and Amboy,	Daily,	7,		91	3
w York	Philadelphia	" "	"	51,		91	3
iladelphia	Bristol.	Philadelphia and Trenton,	"	9,		30	
stol	Philadelphia	"	44		4,	30	
iladelphia	Baltimore	Philad. Wil. and Baltimore,	"	8,	4,	93	1
ltimore	Philadelphia	"	#	9,	8,	93	1
	Washington		16	9,	5, 114,	41	2
ashington	Baltimore		16	6,	51,	41	2
timore	Cumberland and inter. places	Baltimore and Ohio,	16	71,			
ii	Frederick " "		"		4,		
mberland	Baltimore			8,			
ncock			"	101,			
rtinsburg	. **** *** * * * * * * * * * * * * * *		46	111,			
rper's Ferry.	**************	" "	"	*************	12½,		
derick					2,		
" » · · · · · · · · · · · · · · · · · ·			Sundays,	8,			
icott's Mills.	Date 1		Daily,	71, 12,	41,		1
hmond	Petersburg	Richmond and Petersburg,	"	10},	11,		
ersburg	Richmond	"		51			
oany	Schenectady	Mohawk and Hudson,	"	8,	51,		
nenectady	Albany	" "	46	9,	31,		
bany	Saratoga		"	71,	2,		
PRINCERS	Albany	" "	"	7,	121, 5,		
	Saratoga	Troy and Saratoga,			31,		
оу	Troy	" "	"	71,			1
atóga			((81,			1
oy ratoga burn	Rochester	Auburn and Rochester,					
oy ratoga burn chester	Auburn	" "		8,	3		
ratoga burn	AuburnBuffalo	" "	"	8,	3,	*****	
ratogaburnchester	Auburn Buffalo Rochester		"		3,	*****	
oyratogaburn.chester	Auburn Buffalo Rochester Falls	Rochester and Buffalo, Buffalo and Falls,	"		3,	*****	1 1 1
ıffalo	Auburn Buffalo Rochester	Rochester and Buffalo,	"		3,	*****	